

**Suggs, Faye (ASRC)**

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From: Unknown@Unknown.com  
Sent: Saturday, February 26, 2005 12:43 PM  
To: STIC-EIC3600  
Subject: Generic form response

ResponseHeader=Commercial Database Search Request

AccessDB#= 146232

LogNumber= 79

Searcher= \_\_\_\_\_

SearcherPhone= \_\_\_\_\_

SearcherBranch= \_\_\_\_\_

MyDate=Sat Feb 26 12:42:12 EST 2005

submitto=STIC-EIC3600@uspto.gov

Name=Susanna M. Diaz

Empno=76267

Phone=(703) 305-1337

Artunit=3623

Office=Park 5-7T04

Serialnum=09/602,922

PatClass=705/1,7,10,11

Earliest=6/23/2000

Format1=paper

Searchtopic=I am looking for a system that tracks and analyzes the efficiency/proficiency/performance of a repair process (e.g., vehicle repairs, etc.). The system identifies causes/reasons/sources of delay in the repair process (e.g., a delay in the arrival of inventory, technician error, etc.). A code/index/identifier is associated with each cause/reason/source of delay. These codes are then categorized to identify chronic problems associated with the repair process. If you cannot find the codes per se, any sort of analysis that identifies and groups together or categorizes the most common reasons for delays in the repair process, regardless of whether or not there is an associated code, would be helpful too.

Comments=

send=SEND

**Best Available Copy**

Day : Monday  
Date: 2/28/2005  
Time: 11:22:29

# **PALM INTRANET**

## Application Number Information

Application Number: **09/602922** Assignments Examiner Number: **76267 / MEINECKE DIAZ, SUSANNA**  
 Filing or 371(c) Date: **06/23/2000** Group Art Unit: **3623** **IFW IMAGE**  
 Effective Date: **06/23/2000** Class/Subclass: **705/011.000**  
 Application Received: **06/26/2000** Lost Case: **NO**  
 Patent Number: Interference Number:  
 Issue Date: **00/00/0000** Unmatched Petition: **NO**  
 Date of Abandonment: **00/00/0000** L&R Code: Secrecy Code:1  
 Attorney Docket Number: **0906S-000267** Third Level Review: **NO** Secrecy Order: **NO**  
 Status: **71 /RESPONSE TO NON-FINAL OFFICE ACTION ENTERED AND FORWARDED TO EXAMINER** Status Date: **01/28/2005**  
 Confirmation Number: **1038** Oral Hearing: **NO**  
 Title of Invention: **COMPUTER-IMPLEMENTED VEHICLE REPAIR ANALYSIS SYSTEM**

Bar Code	PALM Location	Location Date	Charge to Loc	Charge to Name	Employee Name	Location
09602922CA	36C3	12/28/2004	No Charge to Location	No Charge to Name	SY,VANTHA	PK5/07/T09

Appln  
Info

Contents

Petition Info

Atty/Agent Info

Continuity Data

Foreign Data

Inventors

Search Another: Application#   or Patent#    
 PCT /  /   or PG PUBS #    
 Attorney Docket #    
 Bar Code #

To go back use Back button on your browser toolbar.

Back to [PALM](#) | [ASSIGNMENT](#) | [OASIS](#) | [Home page](#)

ECI 3600

Dialog Search

Set	Items	Description
S1	4	AU=(BARGNES, G ? OR BARGNES G?)
S2	100	AU=(HOWE, J? OR HOWE J?)
S3	286	AU=(KELLY, C? OR KELLY C?)
S4	109	AU=(PIERRE, J? OR PIERRE J?)
S5	4	AU=(LAVINGTON, C? OR LAVINGTON C?)
S6	132	AU=(TORRES, A? OR TORRES A?)
S7	4	S1 AND S2 AND S3 AND S4 AND S5 AND S6

? show files

File 344:Chinese Patents Abs Aug 1985-2004/May  
(c) 2004 European Patent Office

File 347:JAPIO Nov 1976-2004/Oct(Updated 050208)  
(c) 2005 JPO & JAPIO

File 350:Derwent WPIX 1963-2005/UD,UM &UP=200513  
(c) 2005 Thomson Derwent

File 348:EUROPEAN PATENTS 1978-2005/Feb W03  
(c) 2005 European Patent Office

File 349:PCT FULLTEXT 1979-2002/UB=20050217,UT=20050210  
(c) 2005 WIPO/Univentio

ECI 3600

Dialog Search

7/5/1 (Item 1 from file: 350)  
DIALOG(R) File 350: Derwent WPIX  
(c) 2005 Thomson Derwent. All rts. reserv.

016476231 \*\*Image available\*\*  
WPI Acc No: 2004-634174/200461  
Related WPI Acc No: 2002-147933  
XRPX Acc No: N04-501332

Vehicle repair process efficiency determining method for repair shop,  
involves calculating completed vehicle repair process efficiency by  
dividing shop production hours by labor hours, to reveal true repair  
process efficiency

Patent Assignee: BARNES G O (BARG-I); HOWE J K (HOWE-I); KELLY C (KELL-I);  
LAVINGTON C W (LAVI-I); PIERRE J (PIER-I); TORRES A C (TORR-I)  
Inventor: BARNES G O ; HOWE J K ; KELLY C ; LAVINGTON C W ; PIERRE J  
; TORRES A C

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20040162754	A1	20040819	US 2000602922	A	20000623	200461 B
			US 2003705359	A	20031110	

Priority Applications (No Type Date): US 2003705359 A 20031110; US  
2000602922 A 20000623

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20040162754	A1	25	G06F-017/60	CIP of application	US 2000602922

Abstract (Basic): US 20040162754 A1

NOVELTY - The method involves estimating an extent of a repair for  
a vehicle and total labor hours to perform the repair process based on  
the extent of the repair. Production process efficiency for the  
completed repair process of the vehicle is calculated by dividing total  
shop production hours by the total labor hours, to reveal the true  
efficiency of the repair process of the vehicle in hours.

USE - Used for determining the efficiency of a repair process for a  
vehicle in a repair shop (claimed).

ADVANTAGE - The method effectively determines the efficiency of the  
vehicle repair process in terms of hours even if the overtime or  
additional shifts incorrectly accelerate the traditional cycle time  
measures.

DESCRIPTION OF DRAWING(S) - The drawing shows a system block  
diagram depicting a computer-implemented vehicle shop repair analysis  
system.

Collision repair shop (30)  
Computer server (34)  
User (50)  
Business analysis module (60)  
Business transaction module (64)  
pp; 25 DwgNo 1/13

Title Terms: VEHICLE; REPAIR; PROCESS; EFFICIENCY; DETERMINE; METHOD;  
REPAIR; SHOP; CALCULATE; COMPLETE; VEHICLE; REPAIR; PROCESS; EFFICIENCY;  
DIVIDE; SHOP; PRODUCE; HOUR; LABOUR; HOUR; REVEAL; TRUE; REPAIR; PROCESS;  
EFFICIENCY

Derwent Class: T01

International Patent Class (Main): G06F-017/60

File Segment: EPI

7/5/2 (Item 2 from file: 350)  
DIALOG(R) File 350: Derwent WPIX

JMB

Date: 28-Feb-05

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014327230 \*\*Image available\*\*

WPI Acc No: 2002-147933/200219

Related WPI Acc No: 2004-634174

XRPX Acc No: N02-112116

**Tracking vehicle during collision repair process by storing vehicle**

**identifier, reasons for delay and delay times as associations in database**

Patent Assignee: BASF CORP (BADI ); BARGNES G O (BARG-I); HOWE J K  
(HOWE-I); KELLY C (KELL-I); LAVINGTON C W (LAVI-I); PIERRE J (PIER-I);  
TORRES A C (TORR-I)

Inventor: BARGNES G O ; HOWE J K ; KELLY C ; LAVINGTON C W ; PIERRE J  
; TORRES A C ; BARGNES G ; HOWE J ; LAVINGTON C ; TORRES A

Number of Countries: 094 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200201453	A2	20020103	WO 2001US17537	A	20010531	200219 B
AU 200165226	A	20020108	AU 200165226	A	20010531	200235
US 20030171981	A1	20030911	US 2000602922	A	20000623	200367
			US 2003386051	A	20030311	

Priority Applications (No Type Date): US 2000602922 A 20000623; US  
2003386051 A 20030311

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200201453 A2 E 39 G06F-017/60

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA  
CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP  
KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT  
RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR  
IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

AU 200165226 A G06F-017/60 Based on patent WO 200201453

US 20030171981 A1 G06F-017/60 Div ex application US 2000602922

Abstract (Basic): WO 200201453 A2

NOVELTY - Method consists in receiving a unique vehicle identifier  
(vehicle brand data, year data and customer ID) and reasons for delay  
during the repair process over a network, and storing an association of  
the reason, the step at which the delay occurred and the vehicle  
identifier. The delay time is then stored as an association with the  
reason in a database.

DETAILED DESCRIPTION - There is an INDEPENDENT CLAIM for a  
computerized method of analyzing a vehicle-related business.

USE - Method is for a vehicle repair shop analysis system.

DESCRIPTION OF DRAWING(S) - The figure shows a computerized vehicle  
repair shop analysis system.

pp; 39 DwgNo 1/11

Title Terms: TRACK; VEHICLE; COLLIDE; REPAIR; PROCESS; STORAGE; VEHICLE;  
IDENTIFY; REASON; DELAY; DELAY; TIME; DATABASE

Derwent Class: T01

International Patent Class (Main): G06F-017/60

File Segment: EPI

7/5/3 (Item 1 from file: 348)

DIALOG(R) File 348:EUROPEAN PATENTS

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01397539

**COMPUTER-IMPLEMENTED VEHICLE REPAIR ANALYSIS SYSTEM**

**COMPUTER-IMPLEMENTIERTES ANALYSESYSTEM FUR AUTOREPARATUREN  
SYSTEME D'ANALYSE INFORMATIQUE CONCERNANT LA REPARATION D'UN VEHICULE  
PATENT ASSIGNEE:**

Basf Corporation, (3021422), Patent Department, 26701 Telegraph Road,  
Southfield, MI 48034-2442, (US), (Applicant designated States: all)

**INVENTOR:**

**BARGNES, Guy** , 640 Rivard Boulevard, Grosse Pointe, MI 48230, (US)  
**HOWE, John** , 3473 Tanglewood Trail, Palm Harbor, FL 34685, (US)  
**KELLY, Charles** , 312 Reno Lane, Grosse Pointe Farms, MI 48236, (US)  
**PIERRE, Jean-Claude** , Schlossfeld 184, 48308 Senden, (DE)  
**LAVINGTON, Chris** , 360 Tanglewood Lane, Roseburg, OR 97470, (US)  
**TORRES, Antonio** , 213 Finnegan Drive, Millersville, MD 21108, (US)

PATENT (CC, No, Kind, Date):

WO 2002001453 020103

APPLICATION (CC, No, Date): EP 2001939741 010531; WO 2001US17537 010531

PRIORITY (CC, No, Date): US 602922 000623

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;  
LU; MC; NL; PT; SE; TR

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: G06F-017/60

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 020227 A2 International application. (Art. 158(1))

Application: 020227 A2 International application entering European  
phase

Application: 030813 A1 International application. (Art. 158(1))

Appl Changed: 030813 A1 International application not entering European  
phase

Withdrawal: 030813 A1 Date application deemed withdrawn: 20030124

LANGUAGE (Publication,Procedural,Application): English; English; English

7/5/4 (Item 1 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00868224

**COMPUTER-IMPLEMENTED VEHICLE REPAIR ANALYSIS SYSTEM  
SYSTEME D'ANALYSE INFORMATIQUE CONCERNANT LA REPARATION D'UN VEHICULE**

Patent Applicant/Assignee:

BASF CORPORATION, Patent Department, 26701 Telegraph Road, Southfield, MI  
48034-2442, US, US (Residence), US (Nationality), (For all designated  
states except: US)

Patent Applicant/Inventor:

**BARGNES Guy** , 640 Rivard Boulevard, Grosse Pointe, MI 48230, US, US  
(Residence), US (Nationality), (Designated only for: US)

**HOWE John** , 3473 Tanglewood Trail, Palm Harbor, FL 34685, US, US  
(Residence), US (Nationality), (Designated only for: US)

**KELLY Charles** , 312 Reno Lane, Grosse Pointe Farms, MI 48236, US, US  
(Residence), US (Nationality), (Designated only for: US)

**PIERRE Jean-Claude** , Schlossfeld 184, 48308 Senden, DE, DE (Residence),  
DE (Nationality), (Designated only for: US)

**LAVINGTON Chris** , 360 Tanglewood Lane, Roseburg, OR 97470, US, US  
(Residence), US (Nationality), (Designated only for: US)

**TORRES Antonio** , 213 Finnegan Drive, Millersville, MD 21108, US, US  
(Residence), US (Nationality), (Designated only for: US)

Legal Representative:

GOLOTA Mary (et al) (agent), BASF Corporation, 26701 Telegraph Road,  
Southfield, MI 48034-2442, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200201453 A2 20020103 (WO 0201453)

ECI 3600

Dialog Search

Application: WO 2001US17537 20010531 (PCT/WO US0117537)  
Priority Application: US 2000602922 20000623  
Designated States:  
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)  
AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE  
ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT  
LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM  
TR TT TZ UA UG US UZ VN YU ZA ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR  
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM  
Main International Patent Class: G06F-017/60  
Publication Language: English  
Filing Language: English  
Fulltext Availability:  
Detailed Description  
Claims  
Fulltext Word Count: 6161

English Abstract

French Abstract

Legal Status (Type, Date, Text)  
Publication 20020103 A2 With declaration under Article 17(2)(a); without abstract; title not checked by the International Searching Authority.  
Examination 20020328 Request for preliminary examination prior to end of 19th month from priority date

ECI 3600

Dialog Search

Set	Items	Description
S1	4	AU=(BARGNES, G ? OR BARGNES G?)
S2	100	AU=(HOWE, J? OR HOWE J?)
S3	286	AU=(KELLY, C? OR KELLY C?)
S4	109	AU=(PIERRE, J? OR PIERRE J?)
S5	4	AU=(LAVINGTON, C? OR LAVINGTON C?)
S6	132	AU=(TORRES, A? OR TORRES A?)
S7	4	S1 AND S2 AND S3 AND S4 AND S5 AND S6
S8	615	S1:S6
S9	13	S8 AND IC=G06F-017/60
S10	9	S9 NOT S7

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File 344:Chinese Patents Abs Aug 1985-2004/May  
(c) 2004 European Patent Office

File 347:JAPIO Nov 1976-2004/Oct(Updated 050208)  
(c) 2005 JPO & JAPIO

File 350:Derwent WPIX 1963-2005/UD,UM &UP=200513  
(c) 2005 Thomson Derwent

File 348:EUROPEAN PATENTS 1978-2005/Feb W03  
(c) 2005 European Patent Office

File 349:PCT FULLTEXT 1979-2002/UB=20050217,UT=20050210  
(c) 2005 WIPO/Univentio



10/5/1 (Item 1 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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016170770 \*\*Image available\*\*  
WPI Acc No: 2004-328657/200430  
XRPX Acc No: N04-262193

Target content delivery method for marketing applications, involves delivering content to selected recipients based on combination of recipient demographics/lifestyle/location of interest and environmental information

Patent Assignee: MYWEATHER LLC (MYWE-N); KELLY C W (KELL-I); KELLY T F (KELL-I); PETERSON M C (PETE-I); WIGGINS R T (WIGG-I)  
Inventor: KELLY C W ; KELLY T F; PETERSON M C; WIGGINS R T  
Number of Countries: 105 Number of Patents: 003  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20040073482	A1	20040415	US 2002270847	A	20021015	200430 B
WO 200436476	A1	20040429	WO 2003US32683	A	20031014	200430
AU 2003279972	A1	20040504	AU 2003279972	A	20031014	200467

Priority Applications (No Type Date): US 2002270847 A 20021015

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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US 20040073482	A1		18	G06F-017/60	
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WO 200436476	A1	E		G06F-017/60	
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Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA  
CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN  
IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NI NO  
NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG UZ  
VC VN YU ZA ZM ZW

Designated States (Regional): AT BE BG CH CY CZ DE DK EA EE ES FI FR GB  
GH GM GR HU IE IT KE LS LU MC MW MZ NL OA PT RO SD SE SI SK SL SZ TR TZ  
UG ZM ZW

AU 2003279972	A1			G06F-017/60	Based on patent WO 200436476
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Abstract (Basic): US 20040073482 A1

NOVELTY - The targeted information content is delivered to selected information content recipients, based on combination of the content recipient demographics/lifestyle/location of interest information and environmental information e.g. weather information.

USE - For delivering targeted information such as marketing information and advertisement to recipients in content distribution system.

ADVANTAGE - The information content delivery is targeted efficiently to selected recipients using combination of environmental demographic information factors.

DESCRIPTION OF DRAWING(S) - The figure shows a flow diagram explaining operation of the system for targeting and delivering information content.

computer system (12)  
network (14)  
recipient's computer (16)  
broadcasting system (17)  
recipient's communication device (18)  
pp; 18 DwgNo 1/5

Title Terms: TARGET; CONTENT; DELIVER; METHOD; MARKET; APPLY; DELIVER;  
CONTENT; SELECT; RECIPIENT; BASED; COMBINATION; RECIPIENT; LOCATE;  
INTEREST; ENVIRONMENT; INFORMATION

Derwent Class: T01

International Patent Class (Main): G06F-017/60

ECI 3600

Dialog Search

File Segment: EPI

10/5/2 (Item 2 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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014197068

WPI Acc No: 2002-017765/200202

XRPX Acc No: N02-014146

Method of recruiting individuals for jobs by receiving personal profiles  
on-line from candidates, determining potential candidates matching job  
requirements and assessing the candidates through off-line interviews

Patent Assignee: ESARESS HOLDINGS LTD (ESAR-N); BAUMGARTEN J (BAUM-I);  
KELLY C (KELL-I)

Inventor: BAUMGARTEN J; KELLY C

Number of Countries: 093 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200188781	A2	20011122	WO 2001IB1234	A	20010517	200202 B
US 20020026452	A1	20020228	US 2000204776	P	20000517	200220
			US 2001858881	A	20010517	
AU 200167776	A	20011126	AU 200167776	A	20010517	200222

Priority Applications (No Type Date): US 2000204776 P 20000517; US  
2001858881 A 20010517

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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WO 200188781	A2	E	26	G06F-017/60	
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Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA  
CH CN CO CR CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP  
KE KG KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO  
RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR  
IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

US 20020026452	A1			G06F-007/00	Provisional application US 2000204776
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AU 200167776	A			G06F-017/60	Based on patent WO 200188781
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Abstract (Basic): WO 200188781 A2

NOVELTY - Potential candidates are presented with an on-line  
examination to eliminate unqualified candidates. Those people whose  
profiles match the job requirements and who pass the examination are  
then assessed off-line by a specialist experienced in evaluating  
candidates. They may then be interviewed, e.g. over the telephone or by  
video-conference, further to assess suitability and to make a final  
selection that may be presented to the employer.

DETAILED DESCRIPTION - To attract candidates to the site,  
facilities may allow candidates to enter personal details and goals and  
receive guidance for a suitable career path. INDEPENDENT CLAIMS are  
included for

(a) a method of performing an employment search

(b) a computer readable medium carrying a program for recruiting  
individuals

(c) and a computer readable medium carrying a program for  
performing an employment search

USE - Recruiting staff.

ADVANTAGE - Combines the speed and capabilities of the Internet and  
of experienced recruitment staff.

pp; 26 DwgNo 0/5

Title Terms: METHOD; INDIVIDUAL; JOB; RECEIVE; PERSON; PROFILE; LINE;

JMB

Date: 28-Feb-05

CANDIDATE; DETERMINE; POTENTIAL; CANDIDATE; MATCH; JOB; REQUIRE; ASSESS;  
 CANDIDATE; THROUGH; LINE  
 Derwent Class: T01  
 International Patent Class (Main): G06F-007/00; G06F-017/60  
 File Segment: EPI

10/5/3 (Item 3 from file: 350)

DIALOG(R) File 350: Derwent WPIX  
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013074423 \*\*Image available\*\*  
 WPI Acc No: 2000-246295/200021  
 Related WPI Acc No: 2003-056653  
 XRPX Acc No: N00-184198

Image converted from document containing at least one page of text and/or  
 graphical information transmitting by converting page of document into  
 images and attaching them to e-mail message

Patent Assignee: CIRCLE COMPUTER RESOURCES INC (CIRC-N)

Inventor: KELLY C T

Number of Countries: 087 Number of Patents: 007

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200005654	A1	20000203	WO 99US16517	A	19990722	200021 B
AU 9951195	A	20000214	AU 9951195	A	19990722	200029
US 6092104	A	20000718	US 98120753	A	19980722	200037
EP 1114370	A1	20010711	EP 99935792	A	19990722	200140
			WO 99US16517	A	19990722	
CN 1313970	A	20010919	CN 99808965	A	19990722	200202
AU 764534	B	20030821	AU 9951195	A	19990722	200359
EP 1114370	B1	20050119	EP 99935792	A	19990722	200506
			WO 99US16517	A	19990722	

Priority Applications (No Type Date): US 98120753 A 19980722

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200005654 A1 E 16 G06F-013/00

Designated States (National): AE AL AM AT AU AZ BA BB BG BR BY CA CH CN  
 CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ  
 LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK  
 SL TJ TM TR TT UA UG US UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR  
 IE IT KE LS LU MC MW NL OA PT SD SE SL SZ UG ZW

AU 9951195 A Based on patent WO 200005654

EP 1114370 A1 E G06F-013/00 Based on patent WO 200005654

Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LI  
 LU MC NL PT SE

CN 1313970 A G06F-013/00

AU 764534 B G06F-013/00 Previous Publ. patent AU 9951195

Based on patent WO 200005654

EP 1114370 B1 E G06F-013/00 Based on patent WO 200005654

Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LI  
 LU MC NL PT SE

Abstract (Basic): WO 200005654 A1

NOVELTY - A printer driver selection from the user is detected  
 (420) for capturing the document using the custom printer driver. At  
 least one page of the document is converted (440) into one or more  
 images using an interface. One or more images are then attached (450)  
 to an e-mail message for prompting the user for at least one e-mail  
 address. The e-mail message is then sent (470) to the at least one  
 e-mail address.

USE - For preparing and sending a facsimile from a computer application software program by utilizing a combination of a custom printer driver for generating facsimile graphic images and an electronic mail client for transmitting the images via electronic mail to selected recipients.

ADVANTAGE - The software of the present invention involves few steps and utilizes the highly established GIF format, which is supported by most Internet browsers and image viewers for virtually any operating environment. The present invention can be made to be operable on a variety of computer platforms, such as Apple, Sun, or IBM-compatible personal computers, with a display, keyboard, a cursor pointer device, and a network connection device or a modem.

DESCRIPTION OF DRAWING(S) - The drawing shows a high level process for sending documents via images in e-mail message.

pp; 16 DwgNo 1/5

Title Terms: IMAGE; CONVERT; DOCUMENT; CONTAIN; ONE; PAGE; TEXT; GRAPHICAL; INFORMATION; TRANSMIT; CONVERT; PAGE; DOCUMENT; IMAGE; ATTACH; MAIL; MESSAGE

Derwent Class: T01; T04; W02

International Patent Class (Main): G06F-013/00

International Patent Class (Additional): G06F-017/60 ; H04N-001/00

File Segment: EPI

10/5/4 (Item 4 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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009950382 \*\*Image available\*\*

WPI Acc No: 1994-218095/199426

Related WPI Acc No: 1996-435891

XRFX Acc No: N94-172187

**Docking station for patient monitoring system - has detachable patient monitor mounted on platform and provides power and intercommunication with external devices**

Patent Assignee: SIEMENS MEDICAL SYSTEMS INC (SIEI )

Inventor: GEHEB F J; KELLY C M ; MASCHKE M

Number of Countries: 018 Number of Patents: 008

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 9414128	A2	19940623	WO 93US11711	A	19931202	199426	B
WO 9414128	A3	19940804	WO 93US11711	A	19931202	199517	
EP 673530	A1	19950927	WO 93US11711	A	19931202	199543	
			EP 94909412	A	19931202		
JP 8504531	W	19960514	WO 93US11711	A	19931202	199646	
			JP 94514251	A	19931202		
EP 673530	B1	19980527	WO 93US11711	A	19931202	199825	
			EP 94909412	A	19931202		
DE 69318850	E	19980702	DE 618850	A	19931202	199832	
			WO 93US11711	A	19931202		
			EP 94909412	A	19931202		
US 6183417	B1	20010206	US 92989410	A	19921211	200109	
			US 94252153	A	19940601		
			US 95401332	A	19950309		
JP 3466612	B2	20031117	WO 93US11711	A	19931202	200382	
			JP 94514251	A	19931202		

Priority Applications (No Type Date): US 92989410 A 19921211; US 94252153 A 19940601; US 95401332 A 19950309

Cited Patents: 1.Jnl.Ref; EP 261927; EP 553372; US 4688579; No-SR.Pub

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 9414128	A2	E	34	G06F-015/42	
Designated States (National): JP					
Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE					
WO 9414128	A3			G06F-015/42	
EP 673530	A1	E	34	G06F-015/42	Based on patent WO 9414128
Designated States (Regional): AT BE DE DK FR GB IT NL SE					
JP 8504531	W		47	G06F-019/00	Based on patent WO 9414128
EP 673530	B1	E		G06F-017/00	Based on patent WO 9414128
Designated States (Regional): AT BE DE DK FR GB IT NL SE					
DE 69318850	E			G06F-017/00	Based on patent EP 673530
Based on patent WO 9414128					
US 6183417	B1			G06F-019/00	Cont of application US 92989410
Cont of application US 94252153					
JP 3466612	B2		13	A61B-005/00	Previous Publ. patent JP 8504531
Based on patent WO 9414128					

Abstract (Basic): WO 9414128 A

The portable monitor (102) acquires physiological signals from sensors and displays the data. Patient data signals is transmitted to a docking station (111). The docking station provides power and communication services to the portable monitor. A mounting mechanism provides rapid disconnection of the monitor from the docking station.

The docking station comprises a platform (110) providing support for the monitor and connections to a bedside display (120), power (134), video display (124) and communication to local area networks via couplings (170,172,174). A power supply and network box (140), in the form of a wall box, provides power for the monitor and communications links to networks (170) and devices (182,184,186,188,190,192) both inside and outside the room in which the docking station is located.

USE/ADVANTAGE - In hospital and health-care environments for medical data collection and analysis. Provides simple electrical and mechanical connection .

Dwg.1A/5

Title Terms: DOCK; STATION; PATIENT; MONITOR; SYSTEM; DETACH; PATIENT; MONITOR; MOUNT; PLATFORM; POWER; INTERCOMMUNICATION; EXTERNAL; DEVICE  
 Derwent Class: P31; S05; T01  
 International Patent Class (Main): A61B-005/00; G06F-015/42; G06F-017/00; G06F-019/00  
 International Patent Class (Additional): G06F-017/40; G06F-017/60  
 File Segment: EPI; EngPI

10/5/5 (Item 1 from file: 348)

DIALOG(R) File 348:EUROPEAN PATENTS

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01751602

TARGETED INFORMATION CONTENT DELIVERY USING A COMBINATION OF ENVIRONMENTAL AND DEMOGRAPHIC INFORMATION

DISTRIBUTION CIBLEE D'UN CONTENU D'INFORMATIONS AU MOYEN D'UNE COMBINAISON D'INFORMATIONS ENVIRONNEMENTALES ET DEMOGRAPHIQUES

PATENT ASSIGNEE:

Myweather, LLC, (4856580), 401, Charmany Drive, Madison, WI 53719, (US),  
 (Applicant designated States: all)

INVENTOR:

WIGGINS, Randall, T., 1419 Spaight Street, Madison, WI 53703, (US)

KELLY, Christopher, W. , 533 West Main Street, 104, Madison, WI 53703, (US)

PETERSON, Matthew, C., 6409 Antietam Lane, Madison, WI 53705, (US)

KELLY, Terence, F., 1007 Hillside Avenue, Madison, WI 53705, (US  
PATENT (CC, No, Kind, Date): WO 2004036476 040429  
APPLICATION (CC, No, Date): EP 2003773278 031014; WO 2003US32683 031014  
PRIORITY (CC, No, Date): US 270847 021015  
DESIGNATED STATES: AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR;  
HU; IE; IT; LI; LU; MC; NL; PT; RO; SE; SI; SK; TR  
EXTENDED DESIGNATED STATES: AL; LT; LV; MK  
INTERNATIONAL PATENT CLASS: G06F-017/60  
LEGAL STATUS (Type, Pub Date, Kind, Text):  
Application: 040623 A1 International application. (Art. 158(1))  
Application: 040623 A1 International application entering European  
phase  
LANGUAGE (Publication,Procedural,Application): English; English; English

10/5/6 (Item 2 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
(c) 2005 European Patent Office. All rts. reserv.

01382286  
INTERNET BASED EMPLOYEE/EXECUTIVE RECRUITING SYSTEM AND METHOD  
AUF DEM INTERNET BASIERTES SYSTEM UND VERFAHREN ZUM EINSTELLEN VON  
MITARBEITERN ODER FUHRUNGSPERSONAL  
SYSTEME ET PROCEDE DE RECRUTEMENT DE CADRES SUPERIEURS/D'EMPLOYES PAR  
INTERNET

PATENT ASSIGNEE:  
Esaress Holdings Ltd., (3940770), Wesselenyi U16, 1077 Budapest, (HU),  
(Applicant designated States: all)  
INVENTOR:  
BAUMGARTEN, Jason, 470 Summit Drive, Orange, CT 06477, (US)  
KELLY, Claudia, 280 Stanwich Road, Greenwich, CT 06830, (US  
PATENT (CC, No, Kind, Date):

WO 2001088781 011122  
APPLICATION (CC, No, Date): EP 2001945564 010517; WO 2001IB1234 010517  
PRIORITY (CC, No, Date): US 204776 P 000517  
DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;  
LU; MC; NL; PT; SE; TR  
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI  
INTERNATIONAL PATENT CLASS: G06F-017/60  
LEGAL STATUS (Type, Pub Date, Kind, Text):  
Application: 020116 A2 International application. (Art. 158(1))  
Application: 020116 A2 International application entering European  
phase  
Application: 030813 A2 International application. (Art. 158(1))  
Appl Changed: 030813 A2 International application not entering European  
phase  
Withdrawal: 030813 A2 Date application deemed withdrawn: 20021218  
LANGUAGE (Publication,Procedural,Application): English; English; English

10/5/7 (Item 3 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
(c) 2005 European Patent Office. All rts. reserv.

01133245  
METHOD FOR FACSIMILE TRANSMISSION USING E-MAIL  
VERFAHREN ZUR FAKSIMILEUBERTRAGUNG UNTER VERWENDUNG VON E-MAIL  
PROCEDE DE TRANSMISSION DE TELECOPIE PAR COURRIER ELECTRONIQUE  
PATENT ASSIGNEE:

Circle Computer Resources, Inc., (2942290), 2919 1st Avenue, S.E., Cedar Rapids, IA 52402, (US), (Proprietor designated states: all)

## INVENTOR:

**KELLY, Christopher, T.**, 2255 31st Street, Marion, IA 52302, (US)

## LEGAL REPRESENTATIVE:

KUHNEN & WACKER (101501), Patent- und Rechtsanwaltsburo Postfach 19 64, 85319 Freising, (DE)

PATENT (CC, No, Kind, Date): EP 1114370 A1 010711 (Basic)

EP 1114370 B1 050119

WO 2000005654 000203

APPLICATION (CC, No, Date): EP 99935792 990722; WO 99US16517 990722

PRIORITY (CC, No, Date): US 120753 980722

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE

INTERNATIONAL PATENT CLASS: G06F-013/00; H04N-001/00; **G06F-017/60**

CITED PATENTS (EP B): US 5461488 A; US 5793498 A; US 5861958 A; US 5872926 A; US 5881233 A

## NOTE:

No A-document published by EPO

## LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 010711 A1 Published application with search report

Application: 20000329 A1 International application. (Art. 158(1))

Grant: 050119 B1 Granted patent

Change: 020313 A1 International Patent Classification changed: 20020118

Change: 020313 A1 International Patent Classification changed: 20020118

Search Report: 020313 A1 Date of drawing up and dispatch of supplementary:search report 20020124

Examination: 010711 A1 Date of request for examination: 20010117

Examination: 030326 A1 Date of dispatch of the first examination report: 20030211

Application: 20000329 A1 International application entering European phase

LANGUAGE (Publication,Procedural,Application): English; English; English

## FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	200503	638
CLAIMS B	(German)	200503	645
CLAIMS B	(French)	200503	703
SPEC B	(English)	200503	1821
Total word count - document A			0
Total word count - document B			3807
Total word count - documents A + B			3807

10/5/8 (Item 1 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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01114362 \*\*Image available\*\*

**TARGETED INFORMATION CONTENT DELIVERY USING A COMBINATION OF ENVIRONMENTAL AND DEMOGRAPHIC INFORMATION**

**DISTRIBUTION CIBLEE D'UN CONTENU D'INFORMATIONS AU MOYEN D'UNE COMBINAISON D'INFORMATIONS ENVIRONNEMENTALES ET DEMOGRAPHIQUES**

Patent Applicant/Assignee:

MYWEATHER LLC, 401 Charmany Drive, Madison, WI 53719, US, US (Residence), US (Nationality)

Inventor(s):

WIGGINS Randall T, 1419 Spaight Street, Madison, WI 53703, US,

**KELLY** Christopher W, 533 West Main Street, #104, Madison, WI 53703, US,

PETERSON Matthew C, 6409 Antietam Lane, Madison, WI 53705, US,  
KELLY Terence F, 1007 Hillside Avenue, Madison, WI 53705, US

## Legal Representative:

MANGHERA Peter J (et al) (agent), Reinhart Boerner Van Deuren S.C., Post  
Office Box 2018, 22 East Mifflin Street, Suite 600, Madison, WI  
53701-2018, US,

## Patent and Priority Information (Country, Number, Date):

Patent: WO 200436476 A1 20040429 (WO 0436476)  
Application: WO 2003US32683 20031014 (PCT/WO US03032683)  
Priority Application: US 2002270847 20021015

## Designated States:

(Protection type is "patent" unless otherwise stated - for applications  
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ  
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR  
LS LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PG PH PL PT RO RU SC SD  
SE SG SK SL SY TJ TM TN TR TT TZ UA UG UZ VC VN YU ZA ZM ZW  
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT RO SE  
SI SK TR  
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: **G06F-017/60**

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 11116

## English Abstract

A system and method for targeting the delivery of information content to selected potential recipients thereof using a combination of environmental and demographic information related to such potential recipients. Environmental information used may include weather information, such as weather forecast information obtained from weather forecast models. Demographic information includes locations of interest, lifestyle, and other demographic information for potential recipients. Based on a combination of such environmental and demographic information, selected information content, such as advertising information, is targeted for delivery to selected ones of the potential recipients to whom such content is likely to be most valuable. Content may be delivered to the recipient in any manner, including via an e-mail or Internet web page.

## French Abstract

L'invention concerne un systeme et un procede destines a cibler la distribution d'un contenu d'informations a des destinataires potentiels selectionnes au moyen d'une combinaison d'informations environnementales et demographiques associees a ces destinataires potentiels. Les informations environnementales utilisees peuvent inclure des informations meteorologiques telles que les previsions meteorologiques obtenues a partir de modeles de previsions meteorologiques. Les informations demographiques comprennent les emplacements d'interet, le mode de vie et d'autres informations demographiques pour les destinataires potentiels. Sur la base d'une combinaison de ces informations environnementales et demographiques, un contenu d'informations selectionne, tel que des informations publicitaires, est cible en vue d'une distribution a des destinataires choisis parmi les destinataires potentiels pour lesquels ce contenu est susceptible de presenter le plus d'interet. Le contenu peut



etre distribue au destinataire d'une maniere quelconque, et notamment par courrier electronique ou a travers une page Web.

## Legal Status (Type, Date, Text)

Publication 20040429 A1 With international search report.

Publication 20040429 A1 Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.

10/5/9 (Item 2 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00856084

**INTERNET BASED EMPLOYEE/EXECUTIVE RECRUTING SYSTEM AND METHOD  
SYSTEME ET PROCEDE DE RECRUTEMENT DE CADRES SUPERIEURS/D'EMPLOYES PAR  
INTERNET**

## Patent Applicant/Assignee:

ESARESS HOLDINGS LTD, Wesselenyi U16, H-1077 Budapest, HU, HU (Residence)  
, HU (Nationality)

## Inventor(s):

BAUMGARTEN Jason, 470 Summit Drive, Orange, CT 06477, US,  
KELLY Claudia , 280 Stanwich Road, Greenwich, CT 06830, US

## Patent and Priority Information (Country, Number, Date):

Patent: WO 200188781 A2 20011122 (WO 0188781)

Application: WO 2001IB1234 20010517 (PCT/WO IB0101234)

Priority Application: US 2000204776 20000517

## Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CZ DE DK DM DZ EE  
ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KR KZ LC LK LR LS LT LU  
LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR  
TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-017/60

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 6745

## English Abstract

A website includes access to a database of job listings so that users can search the listings according to certain criteria as well as automatically be notified when a matching listing exists. Potential candidates interested in a particular matching position are presented with an online exam, based on the position, to eliminate unqualified candidates. Those candidates that match the job criteria and successfully complete the exam are then assessed off-line by an assessment specialist skilled and experienced at evaluating candidates for job openings, especially executive jobs two or three levels below the Chief Executive Officer level. A select few candidates are then interviewed, for example, by telephone or videoconference to further assess they're fit with the job position. From the interview results a set of candidates are presented to the employer. To attract candidates to the website, an

adaptive predictive system is available for use that allows a candidate to input their current job position, their desired career goals and receive as output career path guidance which shows those positions that will help them reach their career goals.

#### French Abstract

L'invention concerne un site web comprenant l'accès à une base de données de listes d'emplois, les utilisateurs pouvant ainsi chercher ces listes selon certains critères et être automatiquement avisés de l'existence d'une liste correspondante. Les candidats éventuels intéressés par un poste approprié en particulier, sont soumis à un examen en ligne, en fonction du poste, le but étant d'éliminer les candidats non qualifiés. Les candidats qui satisfont aux critères du poste et passent avec succès l'examen sont ensuite évalués hors ligne par évaluateur compétent et expérimenté en matière d'évaluation de candidats pour des possibilités d'emploi, notamment pour des postes de direction situés à deux ou trois niveaux en dessous de celui de directeur général. Quelques candidats sélectionnés sont alors interviewés, par exemple par téléphone ou par vidéoconférence, afin de mieux évaluer leur aptitude à l'emploi. Sur la base des résultats de l'interview, une série de candidats est présentée à l'employeur. Pour intéresser un candidat à un site web, un système prédictif et adaptatif est mis à sa disposition; il peut ainsi saisir son poste de travail actuel, ses objectifs de carrière souhaités et recevoir des orientations quant au développement de sa carrière, lui montrant les postes qui l'aideront à réaliser ses objectifs de carrière.

#### Legal Status (Type, Date, Text)

Publication 20011122 A2 Without international search report and to be republished upon receipt of that report.

Examination 20020214 Request for preliminary examination prior to end of 19th month from priority date

Set	Items	Description
S1	0	AU=(BARGNES, G ? OR BARGNES G?)
S2	1798	AU=(HOWE, J? OR HOWE J?)
S3	1731	AU=(KELLY, C? OR KELLY C?)
S4	881	AU=(PIERRE, J? OR PIERRE J?)
S5	8	AU=(LAVINGTON, C? OR LAVINGTON C?)
S6	1212	AU=(TORRES, A? OR TORRES A?)
S7	0	S2 AND S3 AND S4 AND S5 AND S6
S8	5630	S2:S6
S9	0	S8 AND VEHICLE()REPAIR?

? show file

File 2:INSPEC 1969-2005/Feb W2  
(c) 2005 Institution of Electrical Engineers

File 35:Dissertation Abs Online 1861-2005/Feb  
(c) 2005 ProQuest Info&Learning

File 65:Inside Conferences 1993-2005/Feb W4  
(c) 2005 BLDSC all rts. reserv.

File 99:Wilson Appl. Sci & Tech Abs 1983-2005/Jan  
(c) 2005 The HW Wilson Co.

File 474:New York Times Abs 1969-2005/Feb 26  
(c) 2005 The New York Times

File 475:Wall Street Journal Abs 1973-2005/Feb 25  
(c) 2005 The New York Times

File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13  
(c) 2002 The Gale Group

File 15:ABI/Inform(R) 1971-2005/Feb 28  
(c) 2005 ProQuest Info&Learning

File 20:Dialog Global Reporter 1997-2005/Feb 28  
(c) 2005 The Dialog Corp.

File 610:Business Wire 1999-2005/Feb 28  
(c) 2005 Business Wire.

File 810:Business Wire 1986-1999/Feb 28  
(c) 1999 Business Wire

File 476:Financial Times Fulltext 1982-2005/Feb 28  
(c) 2005 Financial Times Ltd

File 613:PR Newswire 1999-2005/Feb 28  
(c) 2005 PR Newswire Association Inc

File 813:PR Newswire 1987-1999/Apr 30  
(c) 1999 PR Newswire Association Inc

File 634:San Jose Mercury Jun 1985-2005/Feb 26  
(c) 2005 San Jose Mercury News

File 624:McGraw-Hill Publications 1985-2005/Feb 28  
(c) 2005 McGraw-Hill Co. Inc

File 9:Business & Industry(R) Jul/1994-2005/Feb 25  
(c) 2005 The Gale Group

File 275:Gale Group Computer DB(TM) 1983-2005/Feb 28  
(c) 2005 The Gale Group

File 621:Gale Group New Prod. Annou. (R) 1985-2005/Feb 28  
(c) 2005 The Gale Group

File 636:Gale Group Newsletter DB(TM) 1987-2005/Feb 28  
(c) 2005 The Gale Group

File 16:Gale Group PROMT(R) 1990-2005/Feb 28  
(c) 2005 The Gale Group

File 160:Gale Group PROMT(R) 1972-1989  
(c) 1999 The Gale Group

File 148:Gale Group Trade & Industry DB 1976-2005/Feb 28  
(c) 2005 The Gale Group

File 256:TecInfoSource 82-2005/Jan  
(c) 2005 Info.Sources Inc

File 6:NTIS 1964-2005/Feb W3  
(c) 2005 NTIS, Intl Cpyrgh All Rights Res

ECI 3600

Dialog Search

File 7:Social SciSearch(R) 1972-2005/Feb W3  
(c) 2005 Inst for Sci Info  
File 8:Ei Compendex(R) 1970-2005/Jan W3  
(c) 2005 Elsevier Eng. Info. Inc.  
File 94:JICST-EPlus 1985-2005/Jan W3  
(c)2005 Japan Science and Tech Corp(JST)  
File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec  
(c) 1998 Inst for Sci Info  
File 63:Transport Res(TRIS) 1970-2005/  
(c) fmt only 2005 Dialog Corp.  
File 81:MIRA - Motor Industry Research 2001-2005/Jan  
(c) 2005 MIRA Ltd.

Set	Items	Description
S1	1628671	AUTOMOBILE? ? OR AUTOMOTIVE OR AUTO? ? OR VEHICLE? ? OR CAR OR CARS OR TRUCK? ? OR PICKUP? ? OR FLEET
S2	1664876	REPAIR? OR SERVIC? OR FIX OR FIXES OR WORK OR BODYWORK OR - MAINTENANCE OR REFURBISH OR OVERHAUL?
S3	6723152	DELAY? ? OR TIME OR WAIT OR CAUSE? ? OR REASON? ? OR SOURC- E? ? OR ERROR? ? OR PROBLEM? ? OR HINDRANCE? ? OR IMPEDIMENT? ? OR INTERRUPTION? ? OR JAM OR BOTTLENECK? ? OR BACKUP? ? OR - TIEUP? ? OR HOLDUP? ? OR HANGUP? ?
S4	585894	(BACK OR TIE OR HOLD OR HANG) ()UP? ? OR SLOWDOWN? ? OR SLO- W()DOWN? ? OR CODE? ? OR INDEX OR IDENTIFIER? ?
S5	7059422	S3 OR S4
S6	3605442	IDENTIF? OR DETECT? OR DETERMINE? OR FIND? OR DIAGNOS? OR - RECOGNIZE? OR ESTABLISH? OR PINPOINT? OR SPOT? OR PLACE OR FI- NGER
S7	3506646	TRACK??? OR FOLLOW??? OR EXAMIN??? OR MONITOR??? OR CHECK?- ?? OR WATCH??? OR AUDIT??? OR OBSERV??? OR LOOK??? OR VIEW??? OR (KEEP? OR KEPT) ()TABS
S8	2794536	ANALYS??? OR ANALYZ??? OR BENCHMARK??? OR EVALUAT??? OR EX- AM? OR COMPAR??? OR INSPECT??? OR INVESTIGAT? OR REVIEW??? OR STUDY??? OR STUDI?? OR SURVEY??? OR MEASUR???
S9	1687304	ASSIGN? OR CATEGORIZ? OR CLASSIF? OR CODIF? OR INDEX? OR C- ATALOG? OR LABEL? OR GROUP? ? OR RECORD? ?
S10	558395	S5(5N) (S6 OR S7)
S11	77332	S10(10N) (S8 OR S9)
S12	25348	S1(3N)S2
S13	39	S12(S)S11
S14	59	S12(2S)S11
S15	28	S14 NOT PY>2000

? show files

File 344:Chinese Patents Abs Aug 1985-2004/May  
(c) 2004 European Patent Office

File 347:JAPIO Nov 1976-2004/Oct(Updated 050208)  
(c) 2005 JPO & JAPIO

File 350:Derwent WPIX 1963-2005/UD,UM &UP=200513  
(c) 2005 Thomson Derwent

15/5/1 (Item 1 from file: 347)  
DIALOG(R)File 347:JAPIO  
(c) 2005 JPO & JAPIO. All rts. reserv.

06000488 \*\*Image available\*\*  
TRAFFIC INFORMATION DISPLAY DEVICE

PUB. NO.: 10-283588 [JP 10283588 A]  
PUBLISHED: October 23, 1998 (19981023)  
INVENTOR(s): MURAKAMI KUNIO  
TAKI MASAYUKI  
MOTOYAMA YUJI  
APPLICANT(s): DENSO CORP [000426] (A Japanese Company or Corporation), JP  
(Japan)  
APPL. NO.: 09-084197 [JP 9784197]  
FILED: April 02, 1997 (19970402)  
INTL CLASS: [6] G08G-001/09; G01C-021/00; G08G-001/0969; G09B-029/00;  
G09G-005/36  
JAPIO CLASS: 44.9 (COMMUNICATION -- Other); 30.2 (MISCELLANEOUS GOODS --  
Sports & Recreation); 46.1 (INSTRUMENTATION -- Measurement)  
JAPIO KEYWORD: R011 (LIQUID CRYSTALS); R131 (INFORMATION PROCESSING --  
Microcomputers & Microprocessors); R304; R305

## ABSTRACT

PROBLEM TO BE SOLVED: To make a driver, etc., intuitively grasp traffic information that is obtained from the outside through a system such as VICS ( vehicle information service ).

SOLUTION: In this traffic information display device, map data which is read from a map data storing means, e.g. are divided into plural meshes, an evaluation value that shows the extent of congestion of a road is calculated in each mesh, classified and shown. With this, detailed congestion information that takes time to be recognized is not shown, but the summary of the congestion information is very intuitively shown. Further, because the congestion information which is shown with colors is calculated with weight made the larger, the more it is along the direction in which a vehicle proceeds, it becomes very useful information content for a traveling vehicle.

15/5/2 (Item 2 from file: 347)  
DIALOG(R)File 347:JAPIO  
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05883929 \*\*Image available\*\*  
VEHICULAR INSPECTION SYSTEM

PUB. NO.: 10-167029 [JP 10167029 A]  
PUBLISHED: June 23, 1998 (19980623)  
INVENTOR(s): KAWAMURA YUKIO  
NAKATSUJI NAOHIRO  
APPLICANT(s): HARNESS SOGO GIJUTSU KENKYUSHO KK [000000] (A Japanese  
Company or Corporation), JP (Japan)  
SUMITOMO WIRING SYST LTD [368066] (A Japanese Company or  
Corporation), JP (Japan)  
SUMITOMO ELECTRIC IND LTD [000213] (A Japanese Company or  
Corporation), JP (Japan)  
APPL. NO.: 08-328398 [JP 96328398]  
FILED: December 09, 1996 (19961209)  
INTL CLASS: [6] B60S-005/00; B60R-016/02; G01M-017/007  
JAPIO CLASS: 26.2 (TRANSPORTATION -- Motor Vehicles)

JAPIO KEYWORD:R131 (INFORMATION PROCESSING -- Microcomputers &  
Microprocessors)

## ABSTRACT

PROBLEM TO BE SOLVED: To provide a vehicular inspection system with no trouble for an inspection.

SOLUTION: By a work inspection means 47a, 47b, 47c,..., a work inspection is carried out based on the detection results of various kinds of sensors 46a, 46b, 46c... provided on the prescribed position in a vehicle, taking the opportunity of signal receiving from a portable transmitter/receiver 11 and this inspection result is sent to the portable transmitter/receiver 11 by an inspection result sending means 54 and informed to a handler by an indication device 25. Therefore, even if an user does not approach to the vehicle, a vehicular **inspection** is instructed from an in-house and separated **place** and at the approaching **time** to the **vehicle** before operation, the **work inspection** can be already finished.

15/5/3 (Item 3 from file: 347)

DIALOG(R)File 347:JAPIO

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05138881 \*\*Image available\*\*

MAINTENANCE ALARM DEVICE OF AUTOMOBILE PART

PUB. NO.: 08-094381 [JP 8094381 A]  
PUBLISHED: April 12, 1996 (19960412)  
INVENTOR(s): AOSHIMA MITSURU  
APPLICANT(s): YAZAKI CORP [351584] (A Japanese Company or Corporation), JP  
(Japan)  
APPL. NO.: 06-229614 [JP 94229614]  
FILED: September 26, 1994 (19940926)  
INTL CLASS: [6] G01C-022/00; B60S-005/00; G08B-021/00  
JAPIO CLASS: 46.1 (INSTRUMENTATION -- Measurement); 26.2 (TRANSPORTATION  
-- Motor Vehicles); 44.9 (COMMUNICATION -- Other)  
JAPIO KEYWORD:R110 (INSTRUMENTATION -- Digital Display Instrumentation)

## ABSTRACT

PURPOSE: To obtain a **maintenance** alarm device of **vehicle** parts which can easily confirm program function inspection of switching-on and off of a warning lamp for informing of exchange of a T-belt.

CONSTITUTION: A normal processing part 40 for **finding** a running distance at the **time** of **inspection** of indication control of a warning lamp 3 of a T-belt and setting and modifying a value adding an exchange value to the running distance as a new exchange value in RAM 20 at the time when the T-belt is exchanged, an alarm lamp control processing part 44 for switching on the warning lamp 3 at the time when the running distance agrees with the exchange value, and an alarm lamp inspection processing part 42 for adding the running distance and the exchange value and storing them as the new exchange value in RAM 20 whenever the running distance reaches the exchange value as the running distance is successively renewed and stored it in RAM 20 are started.

15/5/4 (Item 4 from file: 347)

DIALOG(R)File 347:JAPIO

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03838801 \*\*Image available\*\*

## MEASURING METHOD OF HINDRANCE OF CONSTRUCTION GAGE AND APPARATUS USED THEREFOR

PUB. NO.: 04-203901 [JP 4203901 A]  
PUBLISHED: July 24, 1992 (19920724)  
INVENTOR(s): HASHIMOTO MITSUO  
TAGUCHI TOSHIHIKO  
YOKOYAMA TOSHIRO  
HIROMORI MITSUO  
MATSUI AKIHIKO  
APPLICANT(s): KIYUUSHIYUU RIYOKAKU TETSUDOU KK [491570] (A Japanese Company or Corporation), JP (Japan)  
APPL. NO.: 02-334040 [JP 90334040]  
FILED: November 29, 1990 (19901129)  
INTL CLASS: [5] G01B-005/00; B61D-015/00; B61K-009/00; G01B-005/14  
JAPIO CLASS: 46.1 (INSTRUMENTATION -- Measurement); 26.1 (TRANSPORTATION -- Railways)  
JOURNAL: Section: P, Section No. 1449, Vol. 16, No. 536, Pg. 28, November 06, 1992 (19921106)

## ABSTRACT

PURPOSE: To measure a clearance of a platform automatically and continuously in parallel with an operation by a **vehicle** for **maintenance** of a track and to conduct simultaneously a charge indication on recording paper by providing a space adjusting rod having a spring and a detecting-measuring roller fitted to the fore end part thereof, and others.

CONSTITUTION: A detecting-measuring roller 3 is brought into pressure contact with a side end 5 of a platform A by a spring 2 fitted to the fore end part of a space adjusting rod 1, and a clearance of the platform A is transmitted onto the recording box 8 side by a detecting-measuring rod 10. At the same time, the rotation of the **detecting - measuring** roller 3 is transmitted onto the box 8 side by a transmission wire 7 and, with recording paper rolled up, the clearance of the platform 5 transmitted by the rod 10 is recorded automatically by a reference line recording pen and a detection-measurement recording pen. A construction gage hindrance measuring apparatus thus constructed is mounted on a **vehicle** for **maintenance** of a track and detection and measurement and recording are executed continuously, simultaneously when a track repair operation is conducted. According to this constitution, automatic execution of continuous measurement is enabled, discovery of a place of hindrance is facilitated by a chart indication and a hindrance value can be known at sight. Besides, a time for operation is shortened, a contact accident is prevented and thereby a safe operation of a train can be ensured.

15/5/5 (Item 5 from file: 347)

DIALOG(R)File 347:JAPIO

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03684399 \*\*Image available\*\*

VEHICLE GUIDE SYSTEM FOR SERVICE STATION

PUB. NO.: 04-049499 [JP 4049499 A]  
PUBLISHED: February 18, 1992 (19920218)  
INVENTOR(s): TSUBAKI YOSHIMITSU  
APPLICANT(s): TOKICO LTD [000305] (A Japanese Company or Corporation), JP (Japan)  
APPL. NO.: 02-160706 [JP 90160706]  
FILED: June 19, 1990 (19900619)  
INTL CLASS: [5] G08G-001/09; G08G-001/095  
JAPIO CLASS: 22.3 (MACHINERY -- Control & Regulation); 44.9 (COMMUNICATION



-- Other)

JAPIO KEYWORD:R012 (OPTICAL FIBERS)

JOURNAL: Section: P, Section No. 1361, Vol. 16, No. 231, Pg. 85, May  
28, 1992 (19920528)

## ABSTRACT

PURPOSE: To maintain safeness by controlling a vehicle guide lamp group arranged on a route up to a stand-by gas feed counter so as to supply light to the lamp **group** at the **time** of inputting a vehicle **detecting** signal.

CONSTITUTION: When a vehicle enters from an entrance 11, passes a space between a light emitting part 9 and a light receiving part 10 in a vehicle detector 8 and interrupts light projected from the light emitting part 9 to the light receiving part 10, a vehicle detecting signal SCD is outputted from the detector 8 and inputted to a control circuit 18 through a signal line 12(sub 2) and a vehicle detector interface 19. Whether an idle counter out of gas feed counters 5(sub 1) to 5(sub 4) exists or not is decided through a gas feed counter interface 20 and the vehicle guide lamps 14(sub 1) to 14(sub 5) corresponding to the stand-by gas feed counter out of the vehicle guide lamp group are turned on, so that the **vehicle** entered into the **service** station is guided up to the stand-by gas feed counter to receive gas feed from the counter. Thus, safeness for vehicle guide can be secured.

15/5/6 (Item 6 from file: 347)

DIALOG(R)File 347:JAPIO

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03169167 \*\*Image available\*\*

CLASSIFICATION DISPLAY EQUIPMENT

PUB. NO.: 02-144667 [JP 2144667 A]

PUBLISHED: June 04, 1990 (19900604)

INVENTOR(s): TAKAHASHI KEIGO

APPLICANT(s): DAIFUKU CO LTD [351877] (A Japanese Company or Corporation),  
JP (Japan)

APPL. NO.: 63-299168 [JP 88299168]

FILED: November 25, 1988 (19881125)

INTL CLASS: [5] G06F-015/24; B65G-043/00; B65G-047/49

JAPIO CLASS: 45.4 (INFORMATION PROCESSING -- Computer Applications); 26.9  
(TRANSPORTATION -- Other)JAPIO KEYWORD:R131 (INFORMATION PROCESSING -- Microcomputers &  
Microprocessors)JOURNAL: Section: P, Section No. 1094, Vol. 14, No. 385, Pg. 98,  
August 20, 1990 (19900820)

## ABSTRACT

PURPOSE: To smoothly execute classification **work** by displaying the **truck** number for classifying commodities in each block on truck number display device, lighting up a bay display device having a **classification** destination to be **classified** and displaying a commodity **identification** (ID) **code** on a pickup display device in the **classified** destination.

CONSTITUTION: When a truck code, the commodity code of a mounted commodity and a commodity classification destination code are inputted in each truck 9, a display control device 13 stores these codes, and at the time of ending the classification of the preceding truck in the block, displays the truck number of the succeeding truck on the truck number display device 10. After checking the truck number of the display device 10, a worker enters

into the block while pushing the truck 9 and a display control device 13 lights up the bay display devices 11, 12 of bays to be classified and displays a commodity ID code on the pickup display device 8 of a classification destination to be classified. Thereby, the worker checks the bays to be classified by the bay display devices 11, 12 and classifies the commodities to the classification destination in accordance with the commodity ID codes displayed on the pickup display device 8. Thus, classification work can be smoothly executed

15/5/7 (Item 7 from file: 347)

DIALOG(R)File 347:JAPIO

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02592073 \*\*Image available\*\*

DATA INPUT/OUTPUT DEVICE FOR OIL SUPPLY STATION

PUB. NO.: 63-208973 [JP 63208973 A]

PUBLISHED: August 30, 1988 (19880830)

INVENTOR(s): TATSUNO HIYOSHI

APPLICANT(s): TOKYO TATSUNO CO LTD [358843] (A Japanese Company or Corporation), JP (Japan)

APPL. NO.: 62-043488 [JP 8743488]

FILED: February 25, 1987 (19870225)

INTL CLASS: [4] G06F-015/21; B67D-005/22

JAPIO CLASS: 45.4 (INFORMATION PROCESSING -- Computer Applications); 24.1 (CHEMICAL ENGINEERING -- Fluid Transportation)

JAPIO KEYWORD: R131 (INFORMATION PROCESSING -- Microcomputers & Microprocessors)

JOURNAL: Section: P, Section No. 807, Vol. 12, No. 499, Pg. 129, December 27, 1988 (19881227)

#### ABSTRACT

PURPOSE: To automatically know the inspection/ **maintenance** time of an **automobile** by deciding said inspection/maintenance time based on a read signal received from a card reader.

CONSTITUTION: When a card of a customer is put into a card reader 21 of an outdoor data input/output device 3, information on a customer number, etc., written in the card is read out. Based on the information, automobile **inspection** data on the card stored in a memory 37a is **checked**. If the **inspection** / **maintenance time** is decided for the automobile, this information is displayed on a display device 23 and at the same time transmitted to an alarm 24 in voice. In an inspection/maintenance mode a single inspection/maintenance item is first displayed on the device 23 and the inspection/maintenance is carried out based on said item. Then the next inspection/maintenance item is displayed after the input of the inspection/maintenance result of the preceding item.

15/5/8 (Item 8 from file: 347)

DIALOG(R)File 347:JAPIO

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01067253 \*\*Image available\*\*

CONTROL METHOD OF CAR WASHING MACHINE

PUB. NO.: 58-004653 [JP 58004653 A]

PUBLISHED: January 11, 1983 (19830111)

INVENTOR(s): ISHIKAWA JUNZO

APPLICANT(s): DAIFUKU CO LTD [351877] (A Japanese Company or Corporation),

JP (Japan)  
APPL. NO.: 56-100320 [JP 81100320]  
FILED: June 26, 1981 (19810626)  
INTL CLASS: [3] B60S-003/04  
JAPIO CLASS: 26.2 (TRANSPORTATION -- Motor Vehicles)  
JOURNAL: Section: M, Section No. 204, Vol. 07, No. 79, Pg. 30, March  
31, 1983 (19830331)

## ABSTRACT

PURPOSE: To improve control accuracy of a working part, by checking measurement of a no-load value of a brushing motor at each car washing time, and then comparing the value with a load at actually washing time finally controlling the working part in accordance with a compared result.  
CONSTITUTION: A value of no-load for a brushing electric motor 1 at its starting is measured, converted into a digital quantity and temporarily stored in a memory. Then a certain change value is added to this no-load value to obtain a reference value. Then a load value during the time of actual car washing is **detected**. And then this detected load value is **compared** with said reference value, if the former is larger than or equal to the latter, a brush is controlled lifting or opening. While in case of the former smaller than the latter, actual **car washing work** is performed. During the time of continuous operation of this actual car washing, said comparison is repeatedly performed, if the former is smaller than the latter, the actual car washing is further continued, if reverse to the above, working parts are all stopped.

15/5/9 (Item 1 from file: 350)  
DIALOG(R) File 350:Derwent WPIX  
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013367795 \*\*Image available\*\*  
WPI Acc No: 2000-539734/200049  
XRPX Acc No: N00-400278

Document production system e.g. for notifying car checkup service  
schedule to customer, prints due date and possible car checkup time for  
every customer based on predefined data

Patent Assignee: YOKU SYSTEM KK (YOKU-N)  
Number of Countries: 001 Number of Patents: 001  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2000215248	A	20000804	JP 9918272	A	19990127	200049 B

Priority Applications (No Type Date): JP 9918272 A 19990127

## Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2000215248	A		15	G06F-017/60	

Abstract (Basic): JP 2000215248 A

NOVELTY - Actual time needed for car checkup of customers and allotted time are compared, and accordingly a stipulated range for checkup completion is defined. Due data for every customer is set according to set range. The due date and possible time period for car checkup are printed along with necessary details on a document to communicate to customer.

DETAILED DESCRIPTION - Time for car checkup is set larger than actual needed checkup time. Car number, car owner details etc are read from database (60) and car number is stored in a file (68). The time for checking the car of particular user is assigned, based on car inspection service rate, operation time data and number of vehicles

that can be passed through service line etc. An INDEPENDENT CLAIM is also included for recording medium storing document production program.

USE - For indicating **car** checkup **service** schedule details to customers.

ADVANTAGE - Avoids need for reservation for checkup service, as service time is conveniently allotted and notified early to the customers.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of car inspection scheduling system.

Database (60)

File (68)

pp; 15 DwgNo 1/11

Title Terms: DOCUMENT; PRODUCE; SYSTEM; NOTIFICATION; CAR; SERVICE; SCHEDULE; CUSTOMER; PRINT; DATE; POSSIBILITY; CAR; TIME; CUSTOMER; BASED; PREDEFINED; DATA

Derwent Class: P76; Q22; T01

International Patent Class (Main): G06F-017/60

International Patent Class (Additional): B42D-015/02; B62D-065/00

File Segment: EPI; EngPI

15/5/10 (Item 2 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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013364549 \*\*Image available\*\*

WPI Acc No: 2000-536488/200049

XRPX Acc No: N00-397090

**Programmable controller for industrial system, monitors running status of SFC program based on comparison of stored monitor designation conditions and content of operand of instruction processing SFC program**

Patent Assignee: TOSHIBA KK (TOKE )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2000207003	A	20000728	JP 994499	A	19990111	200049 B

Priority Applications (No Type Date): JP 994499 A 19990111

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 2000207003	A		9 G05B-019/05	

Abstract (Basic): JP 2000207003 A

NOVELTY - The sequence program stored in sequence program memory (5), contains information managing the running state of SFC program, as an operand of the instruction which processes the program. A sequence calculation processor (4) monitors the arbitrary running status of SFC program based on the comparison result of the stored monitor designation conditions and the content of operand of the instruction.

USE - Programmable controller used in steel installation, paper manufacture plant, water sewer services and in automobile industry for control of industrial system.

ADVANTAGE - Data trace is enabled by real time, by comparing monitor designation and execution situation during instruction execution.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of programmable controller.

Sequence calculation processor (4)

Sequence program memory (5)

pp; 9 DwgNo 1/5

Title Terms: PROGRAM; CONTROL; INDUSTRIAL; SYSTEM; MONITOR; RUN; STATUS;  
PROGRAM; BASED; COMPARE; STORAGE; MONITOR; DESIGNATED; CONDITION; CONTENT  
; OPERAND; INSTRUCTION; PROCESS; PROGRAM  
Derwent Class: T06  
International Patent Class (Main): G05B-019/05  
International Patent Class (Additional): G05B-023/02  
File Segment: EPI

15/5/11 (Item 3 from file: 350)  
DIALOG(R) File 350: Derwent WPIX  
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013183140 \*\*Image available\*\*  
WPI Acc No: 2000-355013/200031  
XRPX Acc No: N00-266117

**Document production system for car inspection scheduling system, mails  
the servicing date of motor vehicle to vehicle owners**

Patent Assignee: YOKU SYSTEM KK (YOKU-N)  
Number of Countries: 001 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2000113058	A	20000421	JP 98283829	A	19981006	200031 B
JP 3113236	B2	20001127	JP 98283829	A	19981006	200102

Priority Applications (No Type Date): JP 98283829 A 19981006

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2000113058	A		22	G06F-017/60	
JP 3113236	B2		18	G06F-017/60	Previous Publ. patent JP 2000113058

Abstract (Basic): JP 2000113058 A

NOVELTY - Service period of vehicles, vehicle numbers and information about vehicle owners are stored in database (60). Serviced vehicle number is stored sequentially in operation table (62). Servicing date of each vehicle is determined as one of working dates of factory within the service period and is mailed to corresponding vehicle owner.

DETAILED DESCRIPTION - Number of vehicles serviced on a working date is also **determined** based on factory operation time data (63), **car inspection service** operation rate data (64) and line capability data. An INDEPENDENT CLAIM is also included for document production program.

USE - In car inspection scheduling system for determining and mailing the **service** date of **cars** within the allotted **service** period to **vehicle** owner.

ADVANTAGE - By sending mail to **vehicle** owner about the **servicing** date, the necessity for reservation for **servicing** of **vehicle** is eliminated.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of logical components of car inspection scheduling system.

Database (60)

Operation table (62)

Factory operation time date (63)

Inspection service operation rate data (64)

pp; 22 DwgNo 2/10

Title Terms: DOCUMENT; PRODUCE; SYSTEM; CAR; INSPECT; SCHEDULE; SYSTEM;  
MAIL; SERVICE; DATE; MOTOR; VEHICLE; VEHICLE; OWNER  
Derwent Class: P76; T01; T05  
International Patent Class (Main): G06F-017/60

ECI 3600

Dialog Search

International Patent Class (Additional): B42D-015/00  
File Segment: EPI; EngPI

15/5/12 (Item 4 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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012947369 \*\*Image available\*\*  
WPI Acc No: 2000-119219/200011  
XRAM Acc No: C00-036938  
XRPX Acc No: N00-090380

**Auto analysis apparatus for analyzing specimen, etc - includes service interruption detector which stops electric power supply to auto analysis apparatus, when service interruption or voltage of external energizer is detected**

Patent Assignee: HITACHI LTD (HITA )  
Number of Countries: 001 Number of Patents: 001  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 11308783	A	19991105	JP 98113209	A	19980423	200011 B

Priority Applications (No Type Date): JP 98113209 A 19980423

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 11308783	A	8	H02J-009/06	

Abstract (Basic): JP 11308783 A

NOVELTY - A sensor (7) which detects service interruption or voltage drop of external energizer, is provided between external energizer and uninterruptable power supply (15) which supply electric power to auto analysis apparatus (14). Based on detected result, a service interruption detector (6) stops electric power supply from the electric supply (4) to the apparatus.

USE - For analyzing specimen.

ADVANTAGE - Avoids rapid shortening of output holding time of UPS by power consumption gain, thereby load of UPS is not reduced and need for installation of UPS of excessive rated output current or storage capacity is avoided. Improves operability of the apparatus also during service interruption. Prevents manufacturing and waste of reagent and specimen.

DESCRIPTION OF DRAWING(S) - The figure shows schematic block diagram of auto analysis apparatus. (4) Electric supply; (6) Service interruption detector; (7) Sensor; (14) Auto analysis apparatus; (15) Uninterruptable power supply.

Dwg.1/6

Title Terms: AUTO; ANALYSE; APPARATUS; SPECIMEN; SERVICE; INTERRUPT; DETECT ; STOP; ELECTRIC; POWER; SUPPLY; AUTO; ANALYSE; APPARATUS; SERVICE; INTERRUPT; VOLTAGE; EXTERNAL; DETECT

Derwent Class: J04; U24; X12; X13

International Patent Class (Main): H02J-009/06

International Patent Class (Additional): H02H-003/02; H02H-003/24

File Segment: CPI; EPI

15/5/13 (Item 5 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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012288929 \*\*Image available\*\*  
WPI Acc No: 1999-095035/199908

JMB

Date: 28-Feb-05

XRPX Acc No: N99-069099

Electronic sign board used in fast food restaurant, auto repair shops and other retail and service establishments - includes several switches provided for activating two dimensional bar code readers to read bar code label of item identification card and thereby display price information

Patent Assignee: NCR CORP (NATC )

Inventor: GOODWIN J C

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5854474	A	19981229	US 96708994	A	19960906	199908 B

Priority Applications (No Type Date): US 96708994 A 19960906

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 5854474	A		6 G06K-015/00	

Abstract (Basic): US 5854474 A

The sign board includes a housing (30) containing several sign slots (32) arranged in rows. The sign slots are provided to hold items description cards (24). Each item description card has a description of an item on a front side and 2-dimensional bar code label on back side. The two dimensional bar code label (26) contains the price information of the respective item in the front side of the item description card. Each slot contains a two dimensional bar code reader (22) and an electronic display (14).

The bar code reader reads the two dimensional bar code label on the backside of the item description card when item description card is mounted on the slot. A control circuit (18) is coupled to each two dimensional bar code reader for activating the two dimensional bar code reader upon activation of a switch (20). The read data of bar code is stored in a memory (14) to display on the electronic display.

USE - For displaying price of items.

ADVANTAGE - Performs automatic display of correct price of item. Enables arranging item description cards in any suitable fashion of menu format.

Dwg.1,2/4

Title Terms: ELECTRONIC; SIGN; BOARD; FAST; FOOD; RESTAURANT; AUTO; REPAIR; SHOP; RETAIL; SERVICE; ESTABLISH; SWITCH; ACTIVATE; TWO; DIMENSION; BAR; CODE; READ; READ; BAR; CODE; LABEL; ITEM; IDENTIFY; CARD; DISPLAY; PRICE; INFORMATION

Derwent Class: T04; T05; W05

International Patent Class (Main): G06K-015/00

File Segment: EPI

15/5/14 (Item 6 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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012029823 \*\*Image available\*\*

WPI Acc No: 1998-446733/199838

XRPX Acc No: N98-348294

Last exit warning system for vehicles - has GPS receiver with automatically operated prompted two-way pager such that location information is communicated from vehicle from subscription service database

Patent Assignee: PRINCE CORP (PRIO )

Inventor: BLAKER D A; GESCHKE J R; SUMAN M J

ECI 3600

Dialog Search

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5790973	A	19980804	US 95575040	A	19951219	199838 B

Priority Applications (No Type Date): US 95575040 A 19951219

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 5790973	A	9	G06F-165/00	

Abstract (Basic): US 5790973 A

The system includes a source of signals which indicates the current vehicle location. A two-way pager (34) transmits and receives signals from and to the vehicle respectively for requesting location of service facilities. It transmits the current vehicle location data to a fixed central database and receives service facility location data. The received service facility data identifies available service facilities that are accessible via two roadway exits. A processor (26) is coupled to the source and pager for comparing data (27) from the source and the pager. The processor determines the distance from the vehicle location to each of the available service locations. The processor determines whether the vehicle should exit the next upcoming exit to reach one of the available service facilities. An alarm is coupled to the processor for providing vehicles operator alerting signals based upon a predetermined relationship of **vehicle** location data and **service** location data.

ADVANTAGE- The vehicle operator is automatically assisted in preventing the vehicle from running out of fuel and /or assists the vehicle operator in seeking desired services within a prescribed time.

Dwg.1,3/4

Title Terms: LAST; EXIT; WARNING; SYSTEM; VEHICLE; GROUP; RECEIVE; AUTOMATIC; OPERATE; TWO; WAY; PAGE; LOCATE; INFORMATION; COMMUNICATE; VEHICLE; SUBSCRIBER; SERVICE; DATABASE

Derwent Class: T01; T05; T07; W01; W02; W04; W05; W06; X22

International Patent Class (Main): G06F-165/00

International Patent Class (Additional): H04Q-007/32

File Segment: EPI

15/5/15 (Item 7 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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011558635

WPI Acc No: 1997-535116/199749

Related WPI Acc No: 2000-051996; 2001-190809

XRAM Acc No: C97-171036

**Leak detection in heating, ventilation and air conditioning systems - by placing inert carrier with adsorbed dye in system and searching exterior for leaks with UV or visible light**

Patent Assignee: BRIGHT SOLUTIONS INC (BRIG-N)

Inventor: CAVESTRI R C

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5681984	A	19971028	US 96684991	A	19960722	199749 B

Priority Applications (No Type Date): US 96684991 A 19960722

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 5681984	A	6	G01H-003/20	

JMB

Date: 28-Feb-05



Abstract (Basic): US 5681984 A

A method of detecting leaks in a heating, ventilation, refrigeration or air conditioning system, using a non-absorbent material as a carrier for a leak-detecting dye, comprises: (a) preparing a dye formulation using the above leak-detecting dye; (b) preparing a non-absorbent carrier adapted for containing desiccant materials; (c) applying the dye formulation to the carrier and adsorbing it on the carrier; (d) introducing the treated carrier into the above system; (e) operating the system to allow the dye formulation to circulate in it; and (f) examining the system with a source emitting light of wavelength 300-750 nm and determining the presence of a leak by a coloured visual indication, which is detected under the above light.

USE - For detecting leaks in a heating, ventilation, refrigeration and air conditioning systems (all claimed), e.g. the air-conditioning systems of new vehicles at an assembly plant and **vehicles in service**, and new and re-assembled air-conditioning systems.

ADVANTAGE - The system does not have to be recharged with the working fluid prior to leak detection because the dye is already in the system. The rate of dye dissolution is a maximum and contamination of the working fluid is minimal. Leaks may be found in the minimum time when a vehicle is in the field and the method is effective for detecting leaks through which current, smaller molecular size refrigerants, e.g. HFC-134a, can escape. The dye is introduced into the system by a non-messy method.

Dwg.0/0

Title Terms: LEAK; DETECT; HEAT; VENTILATION; AIR; CONDITION; SYSTEM; PLACE ; INERT; CARRY; ADSORB; DYE; SYSTEM; SEARCH; EXTERIOR; LEAK; ULTRAVIOLET; VISIBLE; LIGHT

Derwent Class: A97; E13; E14; E23; E24; G04; S02; S03; X27

International Patent Class (Main): G01H-003/20

File Segment: CPI; EPI

15/5/16 (Item 8 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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011549445 \*\*Image available\*\*

WPI Acc No: 1997-525926/199748

XRFX Acc No: N97-438336

Computer assisted pre and post trip inspection reporting system for fleet of vehicle - has processor that receives data input by previous driver of vehicle, which includes indication of vehicle problems known to previous driver, and for response by previous driver indicative of known vehicle problem

Patent Assignee: EATON CORP (EAYT )

Inventor: LUECKENBACH W H; SKORUPSKI J H

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5680328	A	19971021	US 95445832	A	19950522	199748 B

Priority Applications (No Type Date): US 95445832 A 19950522

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 5680328	A	9	G06G-007/00	

Abstract (Basic): US 5680328 A

The system includes an on-board computer associated with at least

one of the vehicles in the fleet. The on-board computer receives data input by the previous driver of the vehicle. A service person who has serviced the vehicle in response to an input of the previous driver and a next driver. The processor receives data input by the previous driver of the vehicle, which includes a unique **identifier assigned** to the previous driver and indication of vehicle problems known to the previous driver, and for a response by the previous driver indicative of a known vehicle problem.

Data input by the service person are received which includes a unique **identifier assigned** to the service person and confirmation that the indicated problem has been resolved. Data input by a next driver of the vehicle are received which includes confirmation that the problem has been resolved. Data communication device for transmitting the data entered into the on-board computer to the ground station computer.

ADVANTAGE - Simplifies and automates pre and post trip inspection process. Provides certain information contained in report available to fleet operation as soon as possible.

Dwg.1/15

Title Terms: COMPUTER; ASSIST; PRE; POST; TRIP; INSPECT; REPORT; SYSTEM; FLEET; VEHICLE; PROCESSOR; RECEIVE; DATA; INPUT; DRIVE; VEHICLE; INDICATE ; VEHICLE; PROBLEM; DRIVE; RESPOND; DRIVE; INDICATE; VEHICLE; PROBLEM

Derwent Class: T01; X22

International Patent Class (Main): G06G-007/00

File Segment: EPI

15/5/17 (Item 9 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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011436930 \*\*Image available\*\*

WPI Acc No: 1997-414837/199738

Related WPI Acc No: 1993-226930; 1998-271170; 2001-342728

XRPX Acc No: N97-345749

**Diagnostics device for turf maintenance vehicle - has 1st processor for controlling vehicle and monitoring all vehicle operating parameters status signals received by 2nd processor, which stores real-time sequence and relationship of status of parameters in memory for later analysis**

Patent Assignee: TORO CO (TORO )

Inventor: DUNFORD W M; LONN D R; WUCHERPFENNIG F D

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5657224	A	19970812	US 92816816	A	19920103	199738 B
			US 92998429	A	19921230	

Priority Applications (No Type Date): US 92998429 A 19921230; US 92816816 A 19920103

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5657224	A		30	G06F-011/30	CIP of application US 92816816

Abstract (Basic): US 5657224 A

A turf maintenance vehicle has an engine, a transmission, a cutting unit. A first processor actively controls the operation of the turf maintenance vehicle. The processor monitors set operating parameters of the turf maintenance vehicle, each operating parameter having a status. The operating parameters include an operator presence signal, a transmission status signal, and a cutting unit status signal.

The first processor enables the operation of the engine and cutting

unit of the turf maintenance vehicle based upon the status of the operating parameters by generating and outputting control signals to the engine and cutting unit. A status signal generator generates a signal which includes components which are indicative of the status of each operating parameter. A second processor receives the generated signal. A memory array cooperatively connected to the second processor, stores the generated signal in a memory location in a manner which preserves the real time sequence and relationship of the status of the parameters, to facilitate subsequent analysis of the status of the parameters. Each of the operating parameters received by the second processor is monitored by the first processor. A diagnostic tool, cooperatively connected to the memory array and the second processor, displays the generated signal. The diagnostic tool displays the actual status of each of the parameters.

ADVANTAGE - Provides data in real-time to inexpensive diagnostic apparatus and store data for concurrent or later analysis by either diagnostic apparatus or remote microprocessor.

Dwg.3/18

Title Terms: DIAGNOSE; DEVICE; TURF; MAINTAIN; VEHICLE; PROCESSOR; CONTROL; VEHICLE; MONITOR; VEHICLE; OPERATE; PARAMETER; STATUS; SIGNAL; RECEIVE; PROCESSOR; STORAGE; REAL; TIME; SEQUENCE; RELATED; STATUS; PARAMETER; MEMORY; LATE; ANALYSE

Derwent Class: T01; W05; X22; X27

International Patent Class (Main): G06F-011/30

International Patent Class (Additional): G08B-029/00

File Segment: EPI

15/5/18 (Item 10 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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011079129 \*\*Image available\*\*

WPI Acc No: 1997-057053/199706

XRPX Acc No: N97-046927

Tracking transit vehicle - has switching component that changes first predetermined gap of space of user to larger second predetermined gap when detected rotation signal and stop signal of driving wheel driven by drive source is supplied

Patent Assignee: SANYO ELECTRIC CO LTD (SAOL )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 8305438	A	19961122	JP 95104405	A	19950427	199706 B

Priority Applications (No Type Date): JP 95104405 A 19950427

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 8305438	A	8	G05D-001/02	

JP 8305438 A 8 G05D-001/02

Abstract (Basic): JP 8305438 A

The vehicle uses a drive source (3) that rotates the driving wheel (4) of a vehicle. A sensor (7) detects the rotation stoppage of the driving wheel, and outputs a rotation signal and a stop signal. The controller (2) of a vehicle main body regulates the tracking transit of the space of a user in predetermined gap that serves as a first predetermined gap, and the drive source.

A second predetermined gap larger than the first predetermined gap is provided. When the detected rotation signal and stop signal of the driving wheel are supplied, a switching component (16) changes the first predetermined gap of the space of the user to the second

predetermined gap.

ADVANTAGE - Provides versatile tracking since unnecessary tracking is not performed when user stops and performs work in periphery of vehicle main body. Performs tracking to user after starting even if user exceeds and leaves second predetermined gap. Improves tracking operation. **Measures** gap of tracking transit using uncomplicated component. Reduces waiting **time** since user is **tracked** early.

Dwg.1/4

Title Terms: TRACK; TRANSIT; VEHICLE; SWITCH; COMPONENT; CHANGE; FIRST; PREDETERMINED; GAP; SPACE; USER; LARGER; SECOND; PREDETERMINED; GAP; DETECT; ROTATING; SIGNAL; STOP; SIGNAL; DRIVE; WHEEL; DRIVE; DRIVE; SOURCE; SUPPLY

Derwent Class: T06

International Patent Class (Main): G05D-001/02

File Segment: EPI

15/5/19 (Item 11 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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011048703 \*\*Image available\*\*

WPI Acc No: 1997-026627/199703

XRPX Acc No: N97-022408

Operation switch appts. used in bathroom, face-washing board, medical treatment appts., work machine, industrial vehicle - has optical guide that leads light reflected from operation index of operation surface to position detector which detects position of pressed operation index

Patent Assignee: TOKAI RIKI DENKI KK (TOJY )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 8287770	A	19961101	JP 9592308	A	19950418	199703 B

Priority Applications (No Type Date): JP 9592308 A 19950418

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 8287770	A	9	H01H-013/02	

Abstract (Basic): JP 8287770 A

The appts. has an operating unit provided with an operation surface (12a) on which several operation indices (13a-13d) are displayed. The operating unit is arranged from a standard position in a gap which differs in predetermined direction. A light-emitting diode (15) projects light in a substantially parallel direction to the operation surface, to arrange the operation indices near the standard position.

Light projected from the operation surface is received by a position detector (16) which detects the position of the operation indices. Light from the LED is reflected to the operation indices in a substantially orthogonal direction. An optical guide (12) leads the reflected light from the operation surface to the position detector. Based on the gap detection signal from the position detector, a decision circuit (23) determines the operation index which is pressed.

ADVANTAGE - Reliably reflects light projected from LED if operation index is pressed. Enables correct detection of gap by leading reflected light to position detector through optical guide, thus allowing reliable detection of pressed operation index.

Dwg.1/11

Title Terms: OPERATE; SWITCH; APPARATUS; BATHROOM; FACE; WASHING; BOARD; MEDICAL; TREAT; APPARATUS; WORK; MACHINE; INDUSTRIAL; VEHICLE; OPTICAL; GUIDE; LEAD; LIGHT; REFLECT; OPERATE; INDEX; OPERATE; SURFACE; POSITION;

DETECT; DETECT; POSITION; PRESS; OPERATE; INDEX  
Derwent Class: S05; V03; X22; X27  
International Patent Class (Main): H01H-013/02  
File Segment: EPI

15/5/20 (Item 12 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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011000054 \*\*Image available\*\*  
WPI Acc No: 1996-497003/199649  
Related WPI Acc No: 1997-145849  
XRAM Acc No: C96-155320  
XRPX Acc No: N96-419161

**Diagnosing fuel-related problems at vehicle service bay - by measuring  
fuel property associated with sample through mid-infrared analysis,  
measuring measured value and predetermined value, etc.**

Patent Assignee: BOSTON ADVANCED TECHNOLOGIES INC (BOST-N)

Inventor: CLARKE R H

Number of Countries: 002 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5569922	A	19961029	US 95507724	A	19950726	199649 B
AU 9666808	A	19970226	AU 9666808	A	19960726	199725

Priority Applications (No Type Date): US 95507724 A 19950726; US 96601337 A  
19960216

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5569922	A		8	G01N-021/35	
AU 9666808	A			G01N-033/28	Based on patent WO 9705483

Abstract (Basic): US 5569922 A

Method for diagnosing potential fuel-related problems associated with a hydrocarbon fuel sample comprises: (a) measuring a value for at least one fuel property associated with the sample (14) through a mid-infrared analysis; (b) comparing the value measured for the fuel property with a pre-determined preferred value range for the fuel property for a particular vehicle; (c) diagnosing the fuel-related problem based upon the result of the comparison; and (d) displaying a result of the diagnosis. Also claimed is an appts. for diagnosing potential fuel-related problems associated with a hydrocarbon fuel sample.

USE - For diagnosing fuel-related problems at the site of **vehicle servicing** and matching fuels to new engine designs.

ADVANTAGE - Octane number and/or Reid vapour pressure of fuel sample are **measured** to **diagnose** fuel-related **problems**, and also can match a new engine design with its optimal fuel

Dwg.2/3

Title Terms: DIAGNOSE; FUEL; RELATED; PROBLEM; VEHICLE; SERVICE; BAY;  
MEASURE; FUEL; PROPERTIES; ASSOCIATE; SAMPLE; THROUGH; MID; INFRARED;  
ANALYSE; MEASURE; MEASURE; VALUE; PREDETERMINED; VALUE

Derwent Class: H06; J04; S02; S03; X25

International Patent Class (Main): G01N-021/35; G01N-033/28

International Patent Class (Additional): G01N-033/22

File Segment: CPI; EPI

15/5/21 (Item 13 from file: 350)  
DIALOG(R)File 350:Derwent WPIX

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010429079 \*\*Image available\*\*

WPI Acc No: 1995-330399/199543

XRAM Acc No: C95-146464

XRPX Acc No: N95-248698

**Surveillance of a vehicle park - in which vehicles circulate in a fixed route network**

Patent Assignee: SOLLAC SA (SOLL-N)

Inventor: CAUET P; FOURNIER J; KOCKENPOO F; SORETTE C

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
FR 2717594	A1	19950922	FR 943199	A	19940318	199543 B

Priority Applications (No Type Date): FR 943199 A 19940318

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
FR 2717594	A1	24	G07C-005/00		

Abstract (Basic): FR 2717594 A

A method is claimed for the surveillance of a park for mobile equipment or vehicles (1) that circulate in a traffic network that includes an obligatory passing point (V), that are identifiable and that incorporate at least one identical mechanical or thermal component (4). When a vehicle passes through the obligatory passing point (V), the mechanical or thermal component is identified and automatically verified. The results of this verification are then treated as follows:- the results are memorised in association with the vehicle identity and the time at which the verification took place; these results are compared with predetermined normal results; and an action or alarm is automatically triggered if the results do not conform to the predetermined normal results. The device used in this surveillance method is also claimed and consists of a control system arranged at the obligatory passing point (V) and some remote observation equipment (15A, 15B).

USE - To improve the maintenance and security of a mobile equipment or vehicle park, notable for ladle transporters for carrying liquid iron, where these vehicles circulate in a route network incorporating an obligatory passing point.

ADVANTAGE - The surveillance is automatic and allows an improved control of maintenance and security operations without the need to take the **vehicles** out of **service** for manual inspection. In the particular case of hot metal ladles it enables the wear process to be better monitored. It is a useful tool in the planning of maintenance operations for the specific installation.

Dwg. 2/7

Title Terms: SURVEILLANCE; VEHICLE; PARK; VEHICLE; CIRCULATE; FIX; ROUTE; NETWORK

Derwent Class: M22; P53; S03; T05

International Patent Class (Main): G07C-005/00

International Patent Class (Additional): B22D-035/00; G01N-021/84; G06T-001/00; G07C-011/00

File Segment: CPI; EPI; EngPI

15/5/22 (Item 14 from file: 350)  
DIALOG(R) File 350: Derwent WPIX  
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010119652 \*\*Image available\*\*

WPI Acc No: 1995-020903/199503

XRPX Acc No: N95-016233

**Automobile rear axle deformation test - has light-source as measurement  
jig for mounting along axis of half-axle gear transmission of rear-axle  
reducing gear**

Patent Assignee: MAKSIMOV YU N (MAKS-I)

Inventor: MAKSIMOV YU N

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
RU 2011162	C1	19940415	SU 4948912	A	19910506	199503 B

Priority Applications (No Type Date): SU 4948912 A 19910506

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

RU 2011162 C1 4 G01B-011/275

Abstract (Basic): RU 2011162 C

The method for testing the deformation of the rear axle beam of an automobile requires initially mounting measurement jibs on either end of the beam (4) followed by evaluating the amount of coaxiality according to the obtained readings.

For better test productivity, a light source is used as one of the measurement jigs, and is mounted along the axis of the half-axle gear-transmission (3) of the reduction gear in the rear axle. The second jig is used to observe the light source (1) with evaluation of coaxiality conducted on the basis of the deflection of the light source (1) image from the axis of the second jig.

USE - **Repair** of **automobiles** e.g. during technical servicing.

Bul.No. 07/15.04.94

Dwg.1/2

Title Terms: AUTOMOBILE; REAR; AXLE; DEFORM; TEST; LIGHT; SOURCE; MEASURE;  
JIG; MOUNT; AXIS; HALF; AXLE; GEAR; TRANSMISSION; REAR; AXLE; REDUCE;  
GEAR

Derwent Class: S02

International Patent Class (Main): G01B-011/275

File Segment: EPI

**15/5/23 (Item 15 from file: 350)**

DIALOG(R)File 350:Derwent WPIX

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009941693 \*\*Image available\*\*

WPI Acc No: 1994-209406/199426

XRPX Acc No: N94-164891

**Recognising obstacle in path of driverless vehicle - using transmitter  
and receiver with directional characteristic having greater vertical than  
horizontal width**

Patent Assignee: MAK SYSTEM GMBH (MAKS-N)

Inventor: JOEHNK M; JOEHNKE V; MUELLER P

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 4242636	A1	19940623	DE 4242636	A	19921217	199426 B

Priority Applications (No Type Date): DE 4242636 A 19921217

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

DE 4242636 A1 6 G01S-013/94

Abstract (Basic): DE 4242636 A

The obstacle detection method uses a transmitter (14) providing sound or electromagnetic waves and a receiver (15) detecting the reflections from an obstacle in the vehicle path. The transmitter and receiver provide a transceiver with a local directional characteristic having a cross-sectional surface which is wider in the vertical direction than in the horizontal direction.

Pref. the transmitter is operated intermittently with evaluation of the propagation time of the detected reflection and stepped variation of the detection direction relative to the track width.

USE/ADVANTAGE - For safe operation of driverless vehicle in work area. Reduced expenditure for information processing.

Dwg. 3/4

Title Terms: RECOGNISE; OBSTACLE; PATH; DRIVE; VEHICLE; TRANSMIT; RECEIVE; DIRECTION; CHARACTERISTIC; GREATER; VERTICAL; HORIZONTAL; WIDTH

Derwent Class: W06; X25

International Patent Class (Main): G01S-013/94

International Patent Class (Additional): G01S-015/88

File Segment: EPI

15/5/24 (Item 16 from file: 350)

DIALOG(R) File 350: Derwent WPIX

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009089781 \*\*Image available\*\*

WPI Acc No: 1992-217203/199226

Related WPI Acc No: 1991-086628; 1998-495037

XRFX Acc No: N92-164852

**Vehicle deformation detection for repairing operations - uses sweeping laser beams to detect coded target on vehicle and compare their position with reference data to identify deformities**

Patent Assignee: DANIELSON G C (DANI-I); WESTHOFF T M (WEST-I); CHIEF AUTOMOTIVE SYSTEMS INC (CHIE-N)

Inventor: DANIELSON G C; WESTHOFF T M

Number of Countries: 018 Number of Patents: 004

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9209863	A1	19920611	WO 91US1093	A	19910219	199226 B
SE 9103302	A	19920529	SE 913302	A	19911108	199230
AU 9174469	A	19920625	AU 9174469	A	19910219	199239
			WO 91US1093	A	19910219	
US 5251013	A	19931005	US 89329010	A	19890327	199341
			US 89359921	A	19890531	
			US 90619294	A	19901128	

Priority Applications (No Type Date): US 90619294 A 19901128; US 89329010 A 19890327; US 89359921 A 19890531

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 9209863	A1	E	104	G01B-011/00	

Designated States (National): AU CA JP KR

Designated States (Regional): AT BE CH DE DK ES FR GB GR IT LU NL SE

AU 9174469 A G01B-011/00 Based on patent WO 9209863

US 5251013 A 56 G01C-005/00 CIP of application US 89329010

CIP of application US 89359921

CIP of patent US 4997283

SE 9103302 A G01B-011/00

Abstract (Basic): WO 9209863 A

The vehicle straightener and measuring unit operates on a vehicle which contains a number of coded targets (12) attached to, or hanging



from the vehicle at given reference points (14). A measuring unit and straightener (16) is placed under the vehicle (10) or on a platform. Laser beams (18, 20) emanate from the unit and sweep in a clockwise or anti-clockwise circles to strike the coded reference targets.

The data produced by scanning the reference points at a given radius may build up a two-dimensional plot of the spation position of the reference points relative to their normal positions.

USE - Vehicle bodywork straightens with reference point measurement.

Dwg.1/34

Title Terms: VEHICLE; DEFORM; DETECT; REPAIR; OPERATE; SWEEP; LASER; BEAM; DETECT; CODE; TARGET; VEHICLE; COMPARE; POSITION; REFERENCE; DATA; IDENTIFY

Derwent Class: S02

International Patent Class (Main): G01B-011/00; G01C-005/00

International Patent Class (Additional): G01B-005/00

File Segment: EPI

15/5/25 (Item 17 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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008873388 \*\*Image available\*\*

WPI Acc No: 1992-000659/199201

XRPX Acc No: N92-000561

**Component fault detection for vehicle - generating data words representing faults and locating source of fault from action chain and indicating remedial measures**

Patent Assignee: MERCEDES-BENZ AG (DAIM )

Inventor: FORCHERT T; KNOERZER G; VISEL U; WEUCHNER E; KNORZER G; LOOS S; WUCHNER E; WUECHNER E

Number of Countries: 005 Number of Patents: 006

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 4106717	C	19920102	DE 4106717	A	19910302	199201 B
GB 2253914	A	19920923	GB 923579	A	19920220	199239
FR 2674023	A1	19920918	FR 922360	A	19920228	199246
GB 2253914	B	19950308	GB 923579	A	19920220	199513
US 5396422	A	19950307	US 92844827	A	19920302	199515
IT 1258365	B	19960226	IT 92RM132	A	19920228	199634

Priority Applications (No Type Date): DE 4106717 A 19910302

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
GB 2253914	A		31	G01R-031/00	
GB 2253914	B		3	G01R-031/00	
US 5396422	A		11	G06F-011/32	
FR 2674023	A1			G01M-017/00	
IT 1258365	B			G01M-000/00	

Abstract (Basic): DE 4106717 C

Detecting faults in a motor vehicle involves forming data words in a component when a fault is detected in it. Data words can also be formed for components when faults are fed back to components in their vicinity.

Action chains are formed according to the detected faults represented by the data words and contain all fault sources, i.e., components, connectors and types (electrical, mechanical, etc.). A list of test steps is generated and stored to enable all possible sources of faults to be checked. The action chains are fully checked to isolate

the fault and the remedial action identified and indicated.

USE/ADVANTAGE - For vehicle servicing using fault diagnosis appts.. The method enables very precise identification of faulty components and enables low maintenance costs to be achieved. (13pp Dwg.No.7/7)

Title Terms: COMPONENT; FAULT; DETECT; VEHICLE; GENERATE; DATA; WORD; REPRESENT; FAULT; LOCATE; SOURCE; FAULT; ACTION; CHAIN; INDICATE; REMEDY; MEASURE

Derwent Class: S02; X22

International Patent Class (Main): G01M-000/00; G01M-017/00; G01R-031/00; G06F-011/32

International Patent Class (Additional): G07C-005/08

File Segment: EPI

15/5/26 (Item 18 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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008866832 \*\*Image available\*\*

WPI Acc No: 1991-370858/199151

XRFX Acc No: N91-283934

**Service provider and identifier for vehicle in prescribed area - provides service to vehicle; bills owner and detects vehicles arrival in service area using antenna which activates emitter for controller**

Patent Assignee: EXXON RES & ENG CO (ESSO )

Inventor: CHANCE R R; RANDELMAN R E

Number of Countries: 006 Number of Patents: 009

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
EP 461888	A	19911218	EP 91305326	A	19910612	199151	B
US 5072380	A	19911210	US 90536820	A	19900612	199201	
NO 9102126	A	19911213				199207	
FI 9102810	A	19911213				199211	
EP 461888	A3	19920226	EP 91305326	A	19910612	199324	
PT 97929	A	19930831	PT 97929	A	19910611	199338	
EP 461888	B1	19950301	EP 91305326	A	19910612	199513	
DE 69107695	E	19950406	DE 607695	A	19910612	199519	
			EP 91305326	A	19910612		
IE 67130	B	19960306	IE 911976	A	19910611	199625	

Priority Applications (No Type Date): US 90536820 A 19900612

Cited Patents: NoSR.Pub; GB 2169173; GB 2224418; US 4782342

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 461888	B1	E	13	G07C-005/08	
DE 69107695	E			G07C-005/08	Based on patent EP 461888
PT 97929	A			G07C-005/08	
IE 67130	B			G07C-005/08	

Abstract (Basic): EP 461888 A

The system comprises a determining unit which electronically determines whether an approaching vehicle is actually stopping for a service. A database file, or other computer storage device, contains vehicle and service cost and **service type records**. A **vehicle identifier** electronically **identifies** the vehicle as it enters the service area in order to associate it with records in the database or computer storage device.

A comparator unit prevents any other electronic identification by any other nearby **service** areas when the **vehicle** has stopped in the service area and has been electronically identified. A service provider

unit provides the service to the stationary identified vehicle. Data is transferred regarding the cost or type of service provided to the records in the database and then calculates and stores all costs relevant to the service.

ADVANTAGE - Convenient for billing customers. (12pp)

Title Terms: SERVICE; IDENTIFY; VEHICLE; PRESCRIBED; AREA; SERVICE; VEHICLE  
; BILL; OWNER; DETECT; VEHICLE; ARRIVE; SERVICE; AREA; ANTENNA; ACTIVATE;  
EMITTER; CONTROL

Derwent Class: T01; T04; W05; W06; X22; X25

International Patent Class (Main): G07C-005/08

International Patent Class (Additional): G01S-013/78; G06F-015/21;

G06K-007/00; G06K-019/06

File Segment: EPI

15/5/27 (Item 19 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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007751476 \*\*Image available\*\*

WPI Acc No: 1989-016588/198903

XRPX Acc No: N89-012812

**Key-less operating system for vehicle lock - has credit-card radio  
transmitter sending ID code for evaluation by lock**

Patent Assignee: NISSAN MOTOR CO LTD (NSMO ); NISSAN MOTOR CORP LTD (NSMO  
)

Inventor: NAKANO K; TAKEUCHI M

Number of Countries: 002 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 3820248	A	19890105	DE 3820248	A	19880614	198903 B
US 5134392	A	19920728	US 88200900	A	19880601	199233
DE 3820248	C2	19990304	DE 3820248	A	19880614	199913

Priority Applications (No Type Date): JP 87148044 A 19870616

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
DE 3820248	A		16		
US 5134392	A		13	G08C-017/00	
DE 3820248	C2			E05B-065/12	

Abstract (Basic): DE 3820248 A

The key-less operating system has an electrically-driven operating device (220) to move a vehicle device between an active first position and an inactive second position. A radio signal transmitter (100) has the size of a credit card and is carried in the pocket and is triggered by a command to generate a radio code signal containing a given identification code.

The radio signal transmitter has a first antenna (104), a manual triggering switch (210) fixed to the vehicle's bodywork and accessible from the outside. A control (200) generates the triggering command and **evaluates** the received **identification code** in order to actuate the operating device. Another antenna (214) is provided to send the triggering command and receive the code signal.

6/14

Title Terms: KEY; LESS; OPERATE; SYSTEM; VEHICLE; LOCK; CREDIT; CARD; RADIO  
; TRANSMIT; SEND; ID; CODE; EVALUATE; LOCK

Derwent Class: Q47; W02; W05; X22

International Patent Class (Main): E05B-065/12; G08C-017/00

International Patent Class (Additional): E05B-049/00; H01Q-007/00

File Segment: EPI; EngPI

15/5/28 (Item 20 from file: 350)  
 DIALOG(R)File 350:Derwent WPIX  
 (c) 2005 Thomson Derwent. All rts. reserv.

003704503

WPI Acc No: 1983-700682/198327

XRPX Acc No: N83-115217

**Railway track maintenance vehicle - has follow-up measuring system  
 supplying correction value to track alignment tool**

Patent Assignee: PLASSER BAHNBAUMASCH FRANZ (PLAF )

Inventor: THEURER J

Number of Countries: 010 Number of Patents: 012

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 3227724	A	19830630	DE 3227724	A	19820724	198327 B
GB 2112050	A	19830713	GB 8236565	A	19821223	198328
FR 2518603	A	19830624				198330
BR 8205553	A	19830830				198341
AT 8105553	A	19831015				198346
CS 8208900	A	19831125				198415
DD 208642	A	19840404				198431
US 4497255	A	19850205	US 82440427	A	19821109	198508
GB 2112050	B	19850807				198532
CA 1192786	A	19850903				198540
IT 1152812	B	19870114				198851
DE 3227724	C	19900329				199013

Priority Applications (No Type Date): AT 815553 A 19811223

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
DE 3227724	A	20		

Abstract (Basic): DE 3227724 A

The maintenance vehicle (1) for correcting the track alignment has a measuring reference system (32) with a probe moved along the track and controlling a track alignment correction tool. A follow-up measuring system (23) with its own track probe (39) is used to detect the residual track alignment error with a correction value for the track alignment correction tool obtained in dependence on the position error of the second track probe (39) from a reference line of the initial measuring reference system (32).

The correction value is obtained by providing the mean value of the detected positive and negative residual track errors over a given length of track and it is supplied to the drive (13) of the track alignment correction tool. The correction value device may incorporate a filter which eliminates short term variations in the residual error value provided by the follow-up measuring system (23).

1/5

Title Terms: RAILWAY; TRACK; MAINTAIN; VEHICLE; FOLLOW; UP; MEASURE; SYSTEM  
 ; SUPPLY; CORRECT; VALUE; TRACK; ALIGN; TOOL

Derwent Class: Q41; X23

International Patent Class (Additional): E01B-027/17; E01B-033/00;

E01B-035/06; E01B-037/00

File Segment: EPI; EngPI

```

Set      Items  Description
S1       468288  AUTOMOBILE? ? OR AUTOMOTIVE OR AUTO? ? OR VEHICLE? ? OR CAR
              OR CARS OR TRUCK? ? OR PICKUP? ? OR FLEET
S2       625302  REPAIR? OR SERVIC? OR FIX OR FIXES OR WORK OR BODYWORK OR -
              MAINTENANCE OR REFURBISH OR OVERHAUL?
S3       1540699  DELAY? ? OR TIME OR WAIT OR CAUSE? ? OR REASON? ? OR SOURC-
              E? ? OR ERROR? ? OR PROBLEM? ? OR HINDRANCE? ? OR IMPEDIMENT?
              ? OR INTERRUPTION? ? OR JAM OR BOTTLENECK? ? OR BACKUP? ? OR -
              TIEUP? ? OR HOLDUP? ? OR HANGUP? ?
S4       436261  (BACK OR TIE OR HOLD OR HANG)()UP? ? OR SLOWDOWN? ? OR SLO-
              W()DOWN? ? OR CODE? ? OR INDEX OR IDENTIFIER? ?
S5       1574041  S3 OR S4
S6       1509016  IDENTIF? OR DETECT? OR DETERMINE? OR FIND? OR DIAGNOS? OR -
              RECOGNIZE? OR ESTABLISH? OR PINPOINT? OR SPOT? OR PLACE OR FI-
              NGER
S7       1459958  TRACK??? OR FOLLOW??? OR EXAMIN??? OR MONITOR??? OR CHECK?-
              ?? OR WATCH??? OR AUDIT??? OR OBSERV??? OR LOOK??? OR VIEW???
              OR (KEEP? OR KEPT)()TABS
S8       11630   S1(3N)S2
S9       521040  S5(5N)(S6 OR S7)
S10      211     S8(10N)S9
S11      1222199  ASSIGN? OR CATEGORIZ? OR CLASSIF? OR CODIF? OR INDEX? OR C-
              ATALOG? OR LABEL? OR GROUP? ? OR RECORD? ?
S12      58      S10(10N)(S11 OR (ANALYS??? OR ANALYZ??? OR BENCHMARK??? OR
              EVALUAT??? OR EXAM? OR COMPAR??? OR INSPECT??? OR INVESTIGAT?
              OR REVIEW??? OR STUDY??? OR STUDI?? OR SURVEY??? OR MEASUR???-
              ))
S13      26      S12 NOT PY>2000
? show files
File 348:EUROPEAN PATENTS 1978-2005/Feb W03
          (c) 2005 European Patent Office
File 349:PCT FULLTEXT 1979-2002/UB=20050217,UT=20050210
          (c) 2005 WIPO/Univentio

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13/3,K/1 (Item 1 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
(c) 2005 European Patent Office. All rts. reserv.

00885643

**System for determining malfunctions of a fuel injection control apparatus**  
**Fehlererkennungsvorrichtung für eine Kraftstoffeinspritzsteuerung**  
**Système de detection des fautes de fonctionnement d'un dispositif de**  
**commande d'injection de carburant**

## PATENT ASSIGNEE:

TOYOTA JIDOSHA KABUSHIKI KAISHA, (203741), 1, Toyota-cho Toyota-shi,  
Aichi-ken, (JP), (Applicant designated States: all)

## INVENTOR:

Iwai, Akira, 8-6, Obayashi-cho, Toyota-shi, Aichi-ken 473, (JP)  
Hidaka, Shigeki, 72-1, Kawaraike, Kariya-shi, Aichi-ken 448, (JP)

## LEGAL REPRESENTATIVE:

Pellmann, Hans-Bernd, Dipl.-Ing. et al (9227), Patentanwaltsburo  
Tiedtke-Buhling-Kinne & Partner Bavariaring 4-6, 80336 Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 810364 A2 971203 (Basic)  
EP 810364 A3 000726

APPLICATION (CC, No, Date): EP 97108618 970528;

PRIORITY (CC, No, Date): JP 96136740 960530

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS: F02D-041/22; F02D-041/38

ABSTRACT WORD COUNT: 135

## NOTE:

Figure number on first page: 3

LANGUAGE (Publication,Procedural,Application): English; English; English  
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	9711W4	1123
SPEC A	(English)	9711W4	8721
Total word count - document A			9844
Total word count - document B			0
Total word count - documents A + B			9844

...SPECIFICATION may be eliminated In this case, the detection of the malfunctioning is stored in the **backup** RAM 85 as **diagnosis** data and read out during **maintenance** of the **vehicle** .

Therefore, the present **examples** and embodiments are to be considered as illustrative and not restrictive and the invention is...

13/3,K/2 (Item 2 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
(c) 2005 European Patent Office. All rts. reserv.

00884163

**Apparatus and method for measuring relative compression in the cylinders of an internal combustion**

**Vorrichtung und Verfahren zur Messung des relativen Drucks in den Zylindern eines Verbrennungsmotors**

**Appareil et procede de mesure de la pression relative dans les cylindres d'un moteur a combustion interne**

## PATENT ASSIGNEE:

FLUKE CORPORATION, (209158), P.O. Box 9090, Everett, Washington  
98206-9090, (US), (applicant designated states: DE;FR;GB)

## INVENTOR:

Gerbert, Johannes C.M., Snellenweg 41, 7524 PR Enschede, (NL)

van der Kuil, Johannes H.M., Chopinstraat 6, 7482 AJ Haaksbergen, (NL)  
 LEGAL REPRESENTATIVE:  
 Burke, Steven David et al (47741), R.G.C. Jenkins & Co. 26 Caxton Street,  
 London SW1H 0RJ, (GB)  
 PATENT (CC, No, Kind, Date): EP 809096 A1 971126 (Basic)  
 APPLICATION (CC, No, Date): EP 97301993 970324;  
 PRIORITY (CC, No, Date): US 649343 960517  
 DESIGNATED STATES: DE; FR; GB  
 INTERNATIONAL PATENT CLASS: G01L-023/08; G01M-015/00;  
 ABSTRACT WORD COUNT: 166

LANGUAGE (Publication,Procedural,Application): English; English; English  
 FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	9711W3	889
SPEC A	(English)	9711W3	4344
Total word count - document A			5233
Total word count - document B			0
Total word count - documents A + B			5233

...SPECIFICATION cylinders with compression problems so that they may be repaired.

A non-invasive technique of **measuring** relative compression has been successfully employed by **automotive service** technicians to **diagnose** compression **problems**. The relative compression test provides a visual comparison of all of the cylinders of the...

13/3,K/3 (Item 3 from file: 348)  
 DIALOG(R)File 348:EUROPEAN PATENTS  
 (c) 2005 European Patent Office. All rts. reserv.

00774699

**System and method for tracking vehicles in vehicle lots**  
**Fahrzeugortungsanlage und -verfahren in Fahrzeugflotten**  
**Systeme et methode de localisation de vehicules dans des flottes de vehicules**

PATENT ASSIGNEE:

INTERNATIONAL BUSINESS MACHINES CORPORATION, (200125), Old Orchard Road,  
 Armonk, N.Y. 10504, (US), (applicant designated states: DE;FR;GB)

INVENTOR:

Benson, Steven John, 2546 Northridge Lane NE, Rochester, Minnesota 55906,  
 (US)

Cofino, Thomas Anthony, 19 Jean Street, Rye, New York 10580, (US)  
 Von Gutfeld, Robert Jacob, 600 West 115th Street, New York, New York  
 10025, (US)

LEGAL REPRESENTATIVE:

Hitchcock, Esmond Antony et al (55551), Lloyd Wise, Tregear & Co.,  
 Commonwealth House, 1-19 New Oxford Street, London WC1A 1LW, (GB)

PATENT (CC, No, Kind, Date): EP 725377 A2 960807 (Basic)  
 EP 725377 A3 970319

APPLICATION (CC, No, Date): EP 95119794 951215;

PRIORITY (CC, No, Date): US 382747 950202

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS: G08G-001/127; G07B-015/04;

ABSTRACT WORD COUNT: 208

LANGUAGE (Publication,Procedural,Application): English; English; English  
 FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPAB96	1480

SPEC A	(English)	EPAB96	8084
Total word count	- document A		9564
Total word count	- document B		0
Total word count	- documents A + B		9564

...SPECIFICATION to identify vehicles that were not owned or sold by the dealer (step 313). Past **service records** for **vehicles** can be very important in **diagnosing** a current vehicle **problem**. When a vehicle is **identified** as not in this computer system (313), a request (315) can be sent to a...

13/3,K/4 (Item 4 from file: 348)  
 DIALOG(R)File 348:EUROPEAN PATENTS  
 (c) 2005 European Patent Office. All rts. reserv.

00469654

Method and apparatus for controlling moving body and facilities.  
 Verfahren und Vorrichtung zur Regelung von sich bewegendenden Korpern und Anlagen.

Methode et dispositif pour le controle de corps en mouvement et de services.

PATENT ASSIGNEE:

HITACHI, LTD., (204141), 6, Kanda Surugadai 4-chome, Chiyoda-ku, Tokyo  
 101, (JP), (applicant designated states: DE;FR;GB;IT)

INVENTOR:

Takahashi, Kazunori, 19-1-303, Ishinazakacho-1-chome, Hitachi-shi, (JP)  
 Hamada, Nobuhiro, 810, Isobecho, Hitachiota-shi, (JP)  
 Takato, Masao, 3600-440, Nakane, Katsuta-shi, (JP)  
 Baba, Kenji, 8-6, Mikanoharacho-1-chome, Hitachi-shi, (JP)  
 Morooka, Yasuo, 2-9, Hanayamacho-2-chome, Hitachi-shi, (JP)  
 Kawakami, Junzo, 449-61, Miwa-1-chome, Mito-shi, (JP)  
 Yokota, Takayoshi, 847-147, Tenjinbayashicho, Hitachiota-shi, (JP)  
 Kiyokawa, Ryuji, 7-16-234, Suwacho-4-chome, Hitachi-shi, (JP)

LEGAL REPRESENTATIVE:

Patentanwalte Beetz - Timpe - Siegfried Schmitt-Fumian - Mayr (100712)  
 , Steinsdorfstrasse 10, D-80538 Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 476562 A2 920325 (Basic)  
 EP 476562 A3 930210

APPLICATION (CC, No, Date): EP 91115676 910916;

PRIORITY (CC, No, Date): JP 90247500 900919

DESIGNATED STATES: DE; FR; GB; IT

INTERNATIONAL PATENT CLASS: G08G-001/01; G08B-005/36;

ABSTRACT WORD COUNT: 175

LANGUAGE (Publication,Procedural,Application): English; English; English  
 FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPABF1	1435
SPEC A	(English)	EPABF1	7183
Total word count	- document A		8618
Total word count	- document B		0
Total word count	- documents A + B		8618

...SPECIFICATION mass flow, or more specifically in case of a vehicle flow, transportation control systems, for **example**, have been put in **service**. In such case, **vehicle** sensors, image sensors, automatic vehicle **identifier** (AVI), ITV and the like are utilized as **measuring** equipment. In particular, in case of the application of image processing techniques, such items as...



13/3,K/5 (Item 5 from file: 348)  
 DIALOG(R)File 348:EUROPEAN PATENTS  
 (c) 2005 European Patent Office. All rts. reserv.

00364995

**Weighted relative system response elevator car assignment system**  
**Beschwertes Relativbeantwortungssystem für Aufzugskabinenzuteilungssystem**  
**Système de réponses relatives pondérées pour système d'attribution de**  
**cabines d'ascenseurs**

PATENT ASSIGNEE:

OTIS ELEVATOR COMPANY, (311771), 10 Farm Springs, Farmington, CT 06032,  
 (US), (applicant designated states: CH;DE;FR;GB;LI)

INVENTOR:

Bittar, Joseph, 31 Longview Road, Avon Connecticut 06001, (US)

LEGAL REPRESENTATIVE:

Tomlinson, Kerry John et al (36771), Frank B. Dehn & Co., European Patent  
 Attorneys, 179 Queen Victoria Street, London EC4V 4EL, (GB)

PATENT (CC, No, Kind, Date): EP 342008 A2 891115 (Basic)

EP 342008 A3 900124

EP 342008 B1 911211

APPLICATION (CC, No, Date): EP 89304730 890510;

PRIORITY (CC, No, Date): US 192436 880511

DESIGNATED STATES: CH; DE; FR; GB; LI

INTERNATIONAL PATENT CLASS: B66B-001/20

ABSTRACT WORD COUNT: 179

LANGUAGE (Publication,Procedural,Application): English; English; English  
 FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPAB96	2501
CLAIMS B	(German)	EPAB96	2171
CLAIMS B	(French)	EPAB96	2999
SPEC B	(English)	EPAB96	6321
Total word count - document A			0
Total word count - document B			13992
Total word count - documents A + B			13992

...CLAIMS amount of hall call registration time has passed, maintaining a  
 hall call, once assigned to a car, with that car until said set  
 hall call registration time detection means detects said  
 set amount of time passage, after which point the hall call is  
 reevaluated for assignment utilizing said varying bonus and  
 penalty means to vary the amount of the bonus and...

13/3,K/6 (Item 6 from file: 348)  
 DIALOG(R)File 348:EUROPEAN PATENTS  
 (c) 2005 European Patent Office. All rts. reserv.

00315261

**Bush assembly for track of tracked vehicle.**  
**Buchsenzusammenbau für Kettenfahrzeugraupe.**  
**Assemblage de douille pour chaîne de véhicule à chenilles.**

PATENT ASSIGNEE:

AVON RUBBER PLC, (235801), Bath Road, Melksham Wiltshire SN12 8AA, (GB),  
 (applicant designated states: BE;DE;FR;GB)

INVENTOR:

Turner, Donald Milne, Swithunsgate Ostlings Lane, Bathford Avon BA1 7RW,

(GB)

## LEGAL REPRESENTATIVE:

Harrison, David Christopher et al (31532), MEWBURN ELLIS York House 23  
Kingsway, London WC2B 6HP, (GB)

PATENT (CC, No, Kind, Date): EP 303425 A2 890215 (Basic)  
EP 303425 A3 891115  
EP 303425 B1 931208

APPLICATION (CC, No, Date): EP 88307304 880808;

PRIORITY (CC, No, Date): GB 8718899 870810

DESIGNATED STATES: BE; DE; FR; GB

INTERNATIONAL PATENT CLASS: B62D-055/215;

ABSTRACT WORD COUNT: 123

LANGUAGE (Publication,Procedural,Application): English; English; English  
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	505
CLAIMS B	(German)	EPBBF1	467
CLAIMS B	(French)	EPBBF1	601
SPEC B	(English)	EPBBF1	1805
Total word count - document A			0
Total word count - document B			3378
Total word count - documents A + B			3378

...SPECIFICATION have substantial advantageous effects from the point of view of maintenance requirements and of the time spent by the tracked vehicle out of commission.

We have studied the reason for the failure of the bushes and have discovered that failure characteristically develops in the surface of the rubber close...

13/3,K/7 (Item 7 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

(c) 2005 European Patent Office. All rts. reserv.

00299029

Malfunction diagnostic apparatus for vehicle control system.

Funktionsstorungsdiagnosegerat fur ein Fahrzeugsteuersystem.

Appareil de diagnostic de panne pour systeme de commande de vehicule.

## PATENT ASSIGNEE:

MITSUBISHI DENKI KABUSHIKI KAISHA, (208580), 2-3, Marunouchi 2-chome  
Chiyoda-ku, Tokyo 100, (JP), (applicant designated states: DE;FR;GB)

## INVENTOR:

Wada, Shunichi c/o Mitsubishi Denki K.K., Himeji Seisakusho 840,  
Chiyodacho, Himeji-shi Hyogo 670, (JP)

## LEGAL REPRESENTATIVE:

Strehl Schubel-Hopf Groening & Partner (100941), Maximilianstrasse 54,  
D-80538 Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 308944 A2 890329 (Basic)  
EP 308944 A3 891115  
EP 308944 B1 940126

APPLICATION (CC, No, Date): EP 88115620 880922;

PRIORITY (CC, No, Date): JP 87238113 870922

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS: G07C-005/10;

ABSTRACT WORD COUNT: 67

LANGUAGE (Publication,Procedural,Application): English; English; English  
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
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CLAIMS B	(English)	EPBBF1	376
CLAIMS B	(German)	EPBBF1	324
CLAIMS B	(French)	EPBBF1	458
SPEC B	(English)	EPBBF1	3416
Total word count - document A			0
Total word count - document B			4574
Total word count - documents A + B			4574

...SPECIFICATION has a function to display as a specific output code, the memory content at the **time** of malfunction **diagnosis**, for **example** to output an output signal to a **service checker** at a **vehicle dealer's service shop**, or an output signal for **communicating** the content of stored information outputted to **the display** of the **checker**. In this **case**, the checker may be constructed of an electronic instrument, a lamp, or a light-emitting...

...will not be lowered and accordingly the vehicle will not be brought in for repair to a **repair shop** by the **car driver**.

**Examples** of a setting procedure of this extraordinary **code** are as follows. Prior to resetting a **sensor** or an actuator **under repair**, the ignition switch is turned on, and at **this time**, the **alarm lamp** is illuminated: When a repair engineer has noticed this illumination of the alarm lamp...

13/3,K/8 (Item 8 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

(c) 2005 European Patent Office. All rts. reserv.

00279940

MONITORING SYSTEM FOR MAINTENANCE OF CAR.

SYSTEM, UM DEN UNTERHALT EINES WAGENS ZU UBERWACHEN.

SYSTEME DE SURVEILLANCE POUR L'ENTRETIEN D'UNE VOITURE.

PATENT ASSIGNEE:

KABUSHIKI KAISHA KOMATSU SEISAKUSHO, (476590), 3-6, Akasaka 2-chome,  
Minato-ku Tokyo 107, (JP), (applicant designated states: DE;GB)

INVENTOR:

KANEKO, Kiyoshi, 2608-1, Nogawa Miyamae-ku, Kawasaki-shi, Kanagawa-ken  
213, (JP)

LEGAL REPRESENTATIVE:

Dr. Fuchs, Dr. Luderschmidt Dr. Mehler, Dipl.-Ing Weiss Patentanwalte  
(100491), Postfach 46 60, D-65036 Wiesbaden, (DE)

PATENT (CC, No, Kind, Date): EP 268684 A1 880601 (Basic)

EP 268684 A1 881117

EP 268684 B1 910904

WO 8706648 871105

APPLICATION (CC, No, Date): EP 87902743 870421; WO 87JP254

PRIORITY (CC, No, Date): JP 8691757 860421

DESIGNATED STATES: DE; GB

INTERNATIONAL PATENT CLASS: F01M-011/10

LANGUAGE (Publication,Procedural,Application): English; English; Japanese

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
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CLAIMS B	(English)	EPBBF1	226
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CLAIMS B	(German)	EPBBF1	198
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CLAIMS B	(French)	EPBBF1	258
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SPEC B	(English)	EPBBF1	1526
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Total word count - document A			0
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Total word count - document B			2208
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Total word count - documents A + B			2208
------------------------------------	--	--	------

...SPECIFICATION optimum times. This is achieved by the features of claim 1

That is, in the **monitor** system for **control** and **maintenance** of a **car** according to the invention, the construction is such that when accumulated operating hours of a car measured...

...The invention will now be described in detail with reference to the accompanying drawings.

Fig. 1 is a block **diagram** representing one embodiment of a **monitor** system for control and **maintenance** of a **car** relating to the invention.

The system comprises an engine operation **detector** 1, a multi-display 2, **time** check switches 3, 4, a set switch 5, a cancel switch 6, filter loading sensors 7...

...signal "1" at the time when operating the engine.

As shown in Fig. 2, for **example**, the multi-display 2 has display lamps L (sub 0) to L(sub 9) for respectively indicating an change of objects A (sub 0) to A(sub 9) to be changed such as oil, filter and the like, a display lamp L(sub 1)...

13/3,K/9 (Item 1 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
(c) 2005 WIPO/Univentio. All rts. reserv.

00757458 \*\*Image available\*\*

**VIDEO INSPECTION DEVICE**

**APPAREIL DE CONTROLE VIDEO**

Patent Applicant/Assignee:

SNAP-ON TECHNOLOGIES INC, 420 Barclay Boulevard, Lincolnshire, IL 60069,  
US, US (Residence), US (Nationality)

Inventor(s):

HANSEN Richard W, 846 Doyle Road, San Jose, CA 95129, US  
ELMENDORF Patrick, 25050 Century Oaks Circle, Castro Valley, CA 94552, US  
SHAPIRO Bruce, 320 Durham Street, Menlo Park, CA 94025, US  
HENNEN Chip, 2030 Queens Lane, San Mateo, CA 94402, US

Legal Representative:

BECKER Stephen A, McDermott, Will & Emery, 600 13th Street, N.W.,  
Washington, DC 20005-3096, US

Patent and Priority Information (Country, Number, Date):

Patent: WO 200070875 A1 20001123 (WO 0070875)

Application: WO 2000US12965 20000512 (PCT/WO US0012965)

Priority Application: US 99311907 19990514

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

CA JP

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

Publication Language: English

Filing Language: English

Fulltext Word Count: 5733

Fulltext Availability:

Detailed Description

Detailed Description

... the technician must re-assemble the device, wasting valuable time. In the field of motor **vehicle** **repair**, for **example**, **diagnosing** and

repairing electrical **problems** associated with dashboard electronics may require the technician to disassemble the 2 0 dashboard and...

...also require the technician to inspect or handle a mechanical device under dangerous conditions. For **example** , in motor **vehicle repair** , proper **diagnosis** of a **problem** may require the technician to **inspect** the vehicle engine while it is running. A technician who places the hands adjacent a...

13/3,K/10 (Item 2 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
(c) 2005 WIPO/Univentio. All rts. reserv.

00743448 \*\*Image available\*\*

**MAINTENANCE ALERT SYSTEM FOR HEAVY-DUTY TRUCKS**  
**SYSTEME D'ALERTE MAINTENANCE POUR POIDS LOURDS**

Patent Applicant/Assignee:

DETROIT DIESEL CORPORATION, 13400 Outer Drive, West, Detroit, MI  
48239-4001, US, US (Residence), US (Nationality)

Inventor(s):

HASFJORD Lawrence David, Apt. 106, 5480 Wessex Court, Dearborn, MI  
48126-2681, US

Legal Representative:

CURCURI Jeremy J, Brooks & Kushman, 1000 Town Center, Twenty-Second  
Floor, Southfield, MI 48075, US

Patent and Priority Information (Country, Number, Date):

Patent: WO 200056574 A1 20000928 (WO 0056574)

Application: WO 2000US5792 20000306 (PCT/WO US0005792)

Priority Application: US 99273865 19990322

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM EE ES FI GB  
GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA  
MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA  
UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 8356

Fulltext Availability:

Detailed Description

Detailed Description

... protection and engine shutdown logic may be executed to prevent possible engine damage, some normal **service** items of a **truck** must be physically **inspected** by opening the hood to physically **check** each item, preferably each **time** the truck is stopped. With the heavy-duty trucking industry becoming more and more competitive...

13/3,K/11 (Item 3 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
(c) 2005 WIPO/Univentio. All rts. reserv.

00510169    \*\*Image available\*\*

**MONITORING SYSTEMS****SYSTEMES DE CONTROLE**

Patent Applicant/Assignee:

AUTOMOTIVE PRODUCTS PLC,

YOUNG Alastair John,

MORRALL Roger,

Inventor(s):

YOUNG Alastair John,

MORRALL Roger,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9941521 A1 19990819

Application: WO 99GB453 19990212 (PCT/WO GB9900453)

Priority Application: GB 983050 19980213

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DE DK EE ES FI GB GE GH  
GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW  
MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW  
GH GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK  
ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN GW ML MR NE  
SN TD TG

Publication Language: English

Fulltext Word Count: 3457

Fulltext Availability:

Detailed Description

Detailed Description

... the memory store onto a computer or other data analysis means to give  
a vibration **record** over a period of time (e.g. between **vehicle**  
**services** ) to enable **diagnosis** of vibration **problems** .

The control unit may also be arranged to produce an output signal to  
disengage a...

13/3,K/12    (Item 4 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

(c) 2005 WIPO/Univentio. All rts. reserv.

00492431

**SYSTEM AND METHOD FOR DISTRIBUTED COMPUTER AUTOMOTIVE SERVICE EQUIPMENT****PROCEDE ET SYSTEME D'EQUIPEMENT POUR L'INDUSTRIE AUTOMOBILE A INFORMATIQUE  
REPARTIE**

Patent Applicant/Assignee:

SNAP-ON TECHNOLOGIES INC,

Inventor(s):

ROGERS Steven W,

GILL George Michael,

DE BELLEFEUILLE Jean,

KLING Michael J III,

BAIRD Michael L,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9923783 A2 19990514

Application: WO 98US22314 19981022 (PCT/WO US9822314)

Priority Application: US 97962023 19971031

Designated States:

(Protection type is "patent" unless otherwise stated - for applications

prior to 2004)

AL AM AT AU AZ BA BB BG BR BY CA CH CN CZ DE DK EE ES FI GB GD GE GH GM  
HR HU ID IL IS JP KE KG KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO  
NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW GH GM KE  
LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES FI FR  
GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 7142

Fulltext Availability:

Detailed Description

Detailed Description

... to customers, or remote diagnosis of shop floor equipment by  
automotive service equipment manufacturers. For **example**, in Figure 6,  
server 150 is an I O **automotive service** equipment manufacturer server  
that can **diagnose** equipment **problems** in alignment system 194; server  
160 is a server for an OEM automobile manufacturer server...

13/3,K/13 (Item 5 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

(c) 2005 WIPO/Univentio. All rts. reserv.

00492099 \*\*Image available\*\*

COMPUTERIZED AUTOMOTIVE SERVICE SYSTEM  
SYSTEME D'ENTRETIEN AUTOMOBILE AUTOMATISE

Patent Applicant/Assignee:

SNAP-ON TECHNOLOGIES INC,

Inventor(s):

De BELLEFEUILLE Jean,  
BRENNAN John C,  
CASBY Alan David,  
GILL George Michael,  
O'MAHONY Patrick,  
SANDUSKY Gary L,  
ZHENG Ju,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9923451 A2 19990514

Application: WO 98US22315 19981022 (PCT/WO US9822315)

Priority Application: US 97961618 19971031

Designated States:

(Protection type is "patent" unless otherwise stated - for applications  
prior to 2004)

AL AM AT AU AZ BA BB BG BR BY CA CH CN CZ DE DK EE ES FI GB GD GE GH GM  
HR HU ID IL IS JP KE KG KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO  
NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW GH GM KE  
LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES FI FR  
GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 8058

Fulltext Availability:

Detailed Description

Detailed Description

... a paper hardcopy printout. From the information on the output device,  
an operator may thereby **diagnose** **problems** with the vehicle or part  
under **inspection**. In  
**automotive service** equipment in general, such as engine **analyzers**,

brake  
testers, suspension testers, wheel balancers and the like, sensors are  
not  
necessarily vehicle mounted...

13/3,K/14 (Item 6 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
(c) 2005 WIPO/Univentio. All rts. reserv.

00458098

**CONNECTION TIME FREE DATA MESSAGING THROUGH TELEPHONE NETWORKS**  
**MESSAGERIE PAR RESEAUX TELEPHONIQUES INDEPENDANTE DE L'HEURE D'APPEL**

Patent Applicant/Assignee:

ULTOP SYSTEMS LTD,  
SHALEV Shaul,

Inventor(s):

SHALEV Shaul,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9848562 A2 19981029

Application: WO 98IL178 19980414 (PCT/WO IL9800178)

Priority Application: IL 120702 19970418; IL 121451 19970801

Designated States:

(Protection type is "patent" unless otherwise stated - for applications  
prior to 2004)

AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM  
GW HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX  
NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW GH  
GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES  
FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD  
TG

Publication Language: English

Fulltext Word Count: 22857

Fulltext Availability:

Claims

Claim

... the passive messaging party, for 7 or 15 or 31  
configuration options, respectively.

The second **example** is for connection time free receiving/transmitting  
of message **codes** from/to a mobile **monitored** service unit, such as a  
mobile **service fleet** unit. Three different cases will be considered.

In this **example** messages received by the mobile monitored service unit  
contain two forms of instructions. The first...

13/3,K/15 (Item 7 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00379141 \*\*Image available\*\*

**CLOSED LOOP FUZZY LOGIC CONTROLLER FOR ELEVATOR DISPATCHING**  
**REGULATEUR A LOGIQUE FLOUE A BOUCLE FERMEE POUR LA GESTION DES RENVOIS**  
**D'ASCENSEURS**

Patent Applicant/Assignee:

OTIS ELEVATOR COMPANY,

Inventor(s):

THANGAVELU Kandasamy,

Patent and Priority Information (Country, Number, Date):



Patent: WO 9719884 A1 19970605  
Application: WO 96US18139 19961030 (PCT/WO US9618139)  
Priority Application: US 95568892 19951130  
Designated States:  
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)  
CN JP KR SG AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE  
Publication Language: English  
Fulltext Word Count: 38648

Fulltext Availability:  
Detailed Description

Detailed Description

... Figure 4 is a graphical illustration showing up peak period traffic variation with respect to **time** and traffic thresholds that **determine** when the type of **service** and number of **cars assigned** to lobby are changed,  
Figure 5 is a graphical illustration showing a number of cars...

13/3,K/16 (Item 8 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00379140 \*\*Image available\*\*  
OPEN LOOP ADAPTIVE FUZZY LOGIC CONTROLLER FOR ELEVATOR DISPATCHING  
REGULATEUR A LOGIQUE FLOUE ADAPTATIVE A BOUCLE OUVERTE POUR LA GESTION DES  
RENVOIS D'ASCENSEURS

Patent Applicant/Assignee:  
OTIS ELEVATOR COMPANY,  
Inventor(s):  
THANGAVELU Kandasamy,  
Patent and Priority Information (Country, Number, Date):  
Patent: WO 9719883 A1 19970605  
Application: WO 96US18138 19961030 (PCT/WO US9618138)  
Priority Application: US 95564667 19951130  
Designated States:  
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)  
CN JP KR SG AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE  
Publication Language: English  
Fulltext Word Count: 38254

Fulltext Availability:  
Detailed Description

Detailed Description

... Figure 4 is a graphical illustration showing up peak period traffic variation with respect to **time** and traffic thresholds that **determine** when the type of **service** and number of **cars assigned** to lobby are changed,  
Figure 5 is a graphical illustration showing a number of cars...

13/3,K/17 (Item 9 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
(c) 2005 WIPO/Univentio. All rts. reserv.

00379139 \*\*Image available\*\*

ESTIMATION OF LOBBY TRAFFIC AND TRAFFIC RATE USING FUZZY LOGIC TO CONTROL  
ELEVATOR DISPATCHING FOR SINGLE SOURCE TRAFFIC  
ESTIMATION PAR LOGIQUE FLOUE DE LA FREQUENTATION EN REZ-DE-CHAUSSEE ET DU  
COEFFICIENT DE FREQUENTATION POUR LA GESTION DES RENVOIS D'ASCENSEURS  
EN SITUATION DE TRAFIC A UNE SEULE ORIGINE

Patent Applicant/Assignee:

OTIS ELEVATOR COMPANY,

Inventor(s):

THANGAVELU Kandasamy,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9719882 A1 19970605

Application: WO 96US18137 19961030 (PCT/WO US9618137)

Priority Application: US 95564527 19951130

Designated States:

(Protection type is "patent" unless otherwise stated - for applications  
prior to 2004)

CN JP KR SG AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE

Publication Language: English

Fulltext Word Count: 39229

Fulltext Availability:

Detailed Description

Detailed Description

... Figure 4 is a graphical illustration showing up peak period traffic  
variation with respect to **time** and traffic thresholds that **determine**  
when the type of **service** and  
number of **cars assigned** to lobby are changed-,  
Figure 5 is a graphical illustration showing a number of cars...

13/3,K/18 (Item 10 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

(c) 2005 WIPO/Univentio. All rts. reserv.

00379138 \*\*Image available\*\*

DYNAMIC SCHEDULING ELEVATOR DISPATCHER FOR SINGLE SOURCE TRAFFIC CONDITIONS  
REPARTITEUR D'ASCENSEURS A PLANIFICATION DYNAMIQUE POUR DES CONDITIONS DE  
TRAFIC DEPUIS UNE SOURCE UNIQUE

Patent Applicant/Assignee:

OTIS ELEVATOR COMPANY,

Inventor(s):

THANGAVELU Kandasamy,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9719881 A1 19970605

Application: WO 96US17999 19961030 (PCT/WO US9617999)

Priority Application: US 95564668 19951130

Designated States:

(Protection type is "patent" unless otherwise stated - for applications  
prior to 2004)

CN JP KR SG AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE

Publication Language: English

Fulltext Word Count: 39647

Fulltext Availability:

Detailed Description

Detailed Description

... Figure 4 is a graphical illustration showing up peak period traffic  
variation with respect to **time** and traffic thresholds that **determine**  
when the type of **service** and

number of **cars assigned** to lobby are changed,  
Figure 5 is a graphical illustration showing a number of cars...

**13/3,K/19 (Item 11 from file: 349)**

DIALOG(R)File 349:PCT FULLTEXT

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00379137 \*\*Image available\*\*

**ELEVATOR CONTROLLER HAVING AN ADAPTIVE CONSTRAINT GENERATOR**  
**UNITE DE COMMANDE D'ASCENSEURS COMPORTANT UN GENERATEUR DE CONTRAINTES**  
**ADAPTATIF**

Patent Applicant/Assignee:

OTIS ELEVATOR COMPANY,

Inventor(s):

THANGAVELU Kandasamy,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9719880 A1 19970605

Application: WO 96US17997 19961030 (PCT/WO US9617997)

Priority Application: US 95565469 19951130

Designated States:

(Protection type is "patent" unless otherwise stated - for applications  
prior to 2004)

CN JP KR SG AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE

Publication Language: English

Fulltext Word Count: 38098

Fulltext Availability:

Detailed Description

Detailed Description

... Figure 4 is a graphical illustration showing up peak period traffic  
variation with respect to **time** and traffic thresholds that **determine**  
when the type of **service** and  
number of **cars assigned** to lobby are changed-  
Figure 5 is a graphical illustration showing a number of cars...

**13/3,K/20 (Item 12 from file: 349)**

DIALOG(R)File 349:PCT FULLTEXT

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00379136 \*\*Image available\*\*

**CLOSED LOOP ADAPTIVE FUZZY LOGIC CONTROLLER FOR ELEVATOR DISPATCHING**  
**UNITE DE COMMANDE LOGIQUE FLOUE ET ADAPTATIVE A BOUCLE FERMEE POUR LES**  
**RENOIS D'ASCENSEURS**

Patent Applicant/Assignee:

OTIS ELEVATOR COMPANY,

Inventor(s):

THANGAVELU Kandasamy,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9719879 A1 19970605

Application: WO 96US17996 19961030 (PCT/WO US9617996)

Priority Application: US 95568895 19951130

Designated States:

(Protection type is "patent" unless otherwise stated - for applications  
prior to 2004)

CN JP KR SG AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE

Publication Language: English

Fulltext Word Count: 38975

Fulltext Availability:  
Detailed Description

## Detailed Description

... Figure 4 is a graphical illustration showing up peak period traffic variation with respect to **time** and traffic thresholds that **determine** when the type of **service** and number of **cars assigned** to lobby are changed;  
Figure 5 is a graphical illustration showing a number of cars...

13/3,K/21 (Item 13 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
(c) 2005 WIPO/Univentio. All rts. reserv.

00379135 \*\*Image available\*\*

**SCHEDULE WINDOWS FOR AN ELEVATOR DISPATCHER**  
**FENETRES DE PLANIFICATION POUR REPARTITEUR D'ASCENSEURS**

Patent Applicant/Assignee:

OTIS ELEVATOR COMPANY,

Inventor(s):

THANGAVELU Kandasamy,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9719878 A1 19970605

Application: WO 96US17983 19961030 (PCT/WO US9617983)

Priority Application: US 95568894 19951130

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

CN JP KR SG AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE

Publication Language: English

Fulltext Word Count: 40176

Fulltext Availability:  
Detailed Description

## Detailed Description

... Figure 4 is a graphical illustration showing up peak period traffic variation with respect to **time** and traffic thresholds that **determine** when the type of **service** and number of **cars assigned** to lobby are changed;  
Figure 5 is a graphical illustration showing a number of cars...

13/3,K/22 (Item 14 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
(c) 2005 WIPO/Univentio. All rts. reserv.

00379134 \*\*Image available\*\*

**OPEN LOOP FUZZY LOGIC CONTROLLER FOR ELEVATOR DISPATCHING**  
**UNITE DE COMMANDE LOGIQUE FLOUE A BOUCLE OUVERTE POUR LA REPARTITION D'ASCENSEURS**

Patent Applicant/Assignee:

OTIS ELEVATOR COMPANY,

Inventor(s):

THANGAVELU Kandasamy,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9719877 A1 19970605

Application: WO 96US17680 19961030 (PCT/WO US9617680)

Priority Application: US 95564669 19951130

## Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

CN JP KR SG AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE

Publication Language: English

Fulltext Word Count: 37980

## Fulltext Availability:

Detailed Description

## Detailed Description

... Figure 4 is a graphical illustration showing up peak period traffic variation with respect to **time** and traffic thresholds that **determine** when the type of **service** and number of **cars assigned** to lobby are changed;  
Figure 5 is a graphical illustration showing a number of cars...

13/3,K/23 (Item 15 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00365157 \*\*Image available\*\*

## METHODS AND DEVICES FOR FUEL CHARACTERIZATION

## TECHNIQUES ET APPAREILS DE CARACTERISATION DE CARBURANTS

Patent Applicant/Assignee:

BOSTON ADVANCED TECHNOLOGIES INC,

CLARKE Richard H,

Inventor(s):

CLARKE Richard H,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9705483 A1 19970213

Application: WO 96US12287 19960726 (PCT/WO US9612287)

Priority Application: US 95507724 19950726; US 96601337 19960216

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AL AM AT AU AZ BB BG BR BY CA CH CN CZ DE DK EE ES FI GB GE HU IL IS JP  
KE KG KP KR KZ LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD  
SE SG SI SK TJ TM TR TT UA UG US UZ VN KE LS MW SD SZ UG AM AZ BY KG KZ  
MD RU TJ TM AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF  
CG CI CM GA GN ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 6669

## Fulltext Availability:

Detailed Description

## Detailed Description

... for the property for each of the fuels available at a fuel dispenser at the **vehicle service** site. The **diagnosis** of fuel-related **problems** can also be performed to provide a quick and reliable **evaluation** of a potentially fuel-related problem. Such a diagnosis can be used for matching an...recognition that a select fuel can be simply and relatively inexpensively characterized and fuel-related **problems diagnosed** at a I O **vehicle service** site, having, for **example** , a fuel delivery dispenser, by using mid-infrared analysis to measure fuel properties, such as...

13/3,K/24 (Item 16 from file: 349)  
DIALOG(R) File 349:PCT FULLTEXT  
(c) 2005 WIPO/Univentio. All rts. reserv.

00127658

**KNOWLEDGE ENGINEERING TOOL****OUTIL POUR SYSTEMES DE CONNAISSANCES**

Patent Applicant/Assignee:

TEKKNOWLEDGE INC,

Inventor(s):

ERMAN Lee D,  
CLANCEY William John,  
LONDON Philip E,  
SCOTT A Carlisle,  
BENNETT James S,  
LARK Jay S,

Patent and Priority Information (Country, Number, Date):

Patent: WO 8600156 A1 19860103  
Application: WO 85US1077 19850607 (PCT/WO US8501077)  
Priority Application: US 8438 19840607

Designated States:

(Protection type is "patent" unless otherwise stated - for applications  
prior to 2004)

AT BE CH DE FR GB IT JP LU NL SE

Publication Language: English

Fulltext Word Count: 25851

Fulltext Availability:

Detailed Description

Detailed Description

... an entry in both a DETERMINATION.MEANS  
slot and a DETERMINATION.BLOCK slot. In the Car Repair  
Advisor of Appendix I. for example, the attribute  
" cause .of. problem " could be determined by the following  
control block.

DERINE CONTROL.BLOCK Problem .Car  
::TRANSLATION " determine the cause of the  
! " problem with the car"  
::INVOCATION DETERMINATION  
::ARGUMENTS A:attribute, C:CAR  
::BODY begin;  
seek A(C...

13/3,K/25 (Item 17 from file: 349)  
DIALOG(R) File 349:PCT FULLTEXT  
(c) 2005 WIPO/Univentio. All rts. reserv.

00105474

**TRACK TENSIONING APPARATUS****DISPOSITIF DE TENSION DE CHENILLE**

Patent Applicant/Assignee:

CATERPILLAR TRACTOR CO,

Inventor(s):

MEISEL T,

Patent and Priority Information (Country, Number, Date):

Patent: WO 8101395 A1 19810528  
Application: WO 79US1038 19791203 (PCT/WO US7901038)

ECI 3600

Dialog Search

Priority Application: US 7992915 19791109  
Designated States:  
(Protection type is "patent" unless otherwise stated - for applications  
prior to 2004)  
GB JP SE  
Publication Language: English  
Fulltext Word Count: 2763

Fulltext Availability:

Detailed Description

Detailed Description

... conditions to loosen and to slip or  
jump from the wheels, or to tighten and **cause** damage to  
the **track** assembly 12, is substantially overcome.

For **example** , on the **work vehicle** 10, the hy  
draulic motor and bevel gear drive 38 rotate the first  
wheel 22...

13/3,K/26 (Item 18 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00105473

**TRACK TENSIONING APPARATUS**

**APPAREIL TENDEUR DE CHENILLES**

Patent Applicant/Assignee:

CATERPILLAR TRACTOR CO,

Inventor(s):

MEISEL T,

Patent and Priority Information (Country, Number, Date):

Patent: WO 8101394 A1 19810528

Application: WO 79US1037 19791203 (PCT/WO US7901037)

Priority Application: US 7992913 19791109

Designated States:

(Protection type is "patent" unless otherwise stated - for applications  
prior to 2004)

GB JP SE

Publication Language: English

Fulltext Word Count: 3615

Fulltext Availability:

Detailed Description

Detailed Description

... conditions to loosen and to slip or  
jump from the wheels, or to tighten and **cause** damage to  
the **track** assembly 12, is substantially overcome,  
For **example** , on the **work vehicle** 10, the hy  
draulic motor and bevel gear train 38 rotate the first  
wheel 22...

Set	Items	Description
S1	569720	AUTOMOBILE? ? OR AUTOMOTIVE OR AUTO? ? OR VEHICLE? ? OR CAR OR CARS OR TRUCK? ? OR PICKUP? ? OR FLEET
S2	2210286	REPAIR? OR SERVIC? OR FIX OR FIXES OR WORK OR BODYWORK OR - MAINTENANCE OR REFURBISH OR OVERHAUL?
S3	3646647	TRACK??? OR FOLLOW??? OR EXAMIN??? OR MONITOR??? OR CHECK?- ?? OR WATCH??? OR AUDIT??? OR OBSERV??? OR LOOK??? OR VIEW??? OR (KEEP? OR KEPT)()TABS
S4	8769055	ANALYS??? OR ANALYZ??? OR BENCHMARK??? OR EVALUAT??? OR EX- AM? OR COMPAR??? OR INSPECT??? OR INVESTIGAT? OR REVIEW??? OR STUDY??? OR STUDI?? OR SURVEY??? OR MEASUR???
S5	3654736	IDENTIF? OR DETECT? OR DETERMINE? OR FIND? OR DIAGNOS? OR - RECOGNIZE? OR ESTABLISH? OR PINPOINT? OR SPOT? OR PLACE OR FI- NGER
S6	4504600	DELAY? ? OR TIME OR WAIT OR CAUSE? ? OR REASON? ? OR SOURC- E? ? OR ERROR? ? OR PROBLEM? ? OR HINDRANCE? ? OR IMPEDIMENT? ? OR INTERRUPTION? ? OR JAM OR BOTTLENECK? ? OR BACKUP? ? OR - TIEUP? ? OR HOLDUP? ? OR HANGUP? ?
S7	684074	(BACK OR TIE OR HOLD OR HANG)()UP? ? OR SLOWDOWN? ? OR SLO- W()DOWN? ? OR CODE? ? OR INDEX OR IDENTIFIER? ?
S8	4966408	S6 OR S7
S9	2174342	ASSIGN? OR CATEGORIZ? OR CLASSIF? OR CODIF? OR INDEX? OR C- ATALOG? OR LABEL? OR GROUP? ? OR RECORD? ?
S10	25779	S1(5N)S2
S11	1377373	S8(10N)(S4 OR S5)
S12	670	S10(S)S11
S13	98956	S11(10N)S9
S14	37	S10(S)S13
S15	36	RD (unique items)
S16	25	S15 NOT PY>2000

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16/5/1 (Item 1 from file: 2)  
DIALOG(R)File 2:INSPEC  
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6808855 INSPEC Abstract Number: C2001-02-1290H-021

**Title: Simulation of high-level way toll system under the condition of mixed traffic flow**

Author(s): Luo Xia; Wang Qingyu

Author Affiliation: Sch. of Traffic & Transp., Southwest Jiaotong Univ., Chengdu, China

Journal: Journal of Southwest Jiaotong University (English Edition)  
vol.8, no.2 p.191-7

Publisher: Editorial Department of J. Southwest Jiaotong Univ,

Publication Date: Nov. 2000 Country of Publication: China

CODEN: JSJUEU ISSN: 1005-2429

SICI: 1005-2429(200011)8:2L:191:SHLT;1-8

Material Identity Number: G432-2000-003

Language: English Document Type: Journal Paper (JP)

Treatment: Theoretical (T)

Abstract: The paper deals with the parking-toll model on main-line station in China. We **analyze** the traffic flow distributing function, queuing model, and vehicle passing **time**. Through computer simulation, the negative **index** relationships between the carrying capacity and service time, and the index relationships between the queueing delay and flow are obtained under the condition of different **service** times and different **vehicle** type compositions. When the flow density is low, the vehicle type composition has less influence on system's service level. Contrarily, disposing toll station by roadway where flow density is high, we can save the transection areas of toll station, reduce the system queueing delay time, and enhance the carrying capacity of the toll station. (2 Refs)

Subfile: C

Descriptors: digital simulation; queueing theory; road traffic; traffic control; traffic engineering computing

Identifiers: toll system; mixed traffic flow; main-line station; computer simulation; service time; queueing delay; road traffic control; queueing model; arrival distribution; parking

Class Codes: C1290H (Systems theory applications in transportation); C7445 (Traffic engineering computing); C6185 (Simulation techniques); C1140C (Queueing theory)

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16/5/2 (Item 2 from file: 2)  
DIALOG(R)File 2:INSPEC  
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5720414 INSPEC Abstract Number: C9711-1290H-016

**Title: Police patrol policies on motorways with unequal patrol lengths**

Author(s): Smith, D.K.

Author Affiliation: Exeter Univ., UK

Journal: Journal of the Operational Research Society vol.48, no.10  
p.996-1000

Publisher: Stockton Press for the Oper. Res. Soc,

Publication Date: Oct. 1997 Country of Publication: UK

CODEN: JORSZDZ ISSN: 0160-5682

SICI: 0160-5682(199710)48:10L:996:PPPM;1-9

Material Identity Number: J300-97010

U.S. Copyright Clearance Center Code: 0160-5682/97/\$12.00

Language: English Document Type: Journal Paper (JP)

Treatment: Theoretical (T)

**Abstract:** On motorways, and other roads with limited access, emergencies arise which require the presence of police, ambulance, rescue **services** and breakdown **trucks**. Of these, only the police make regular patrols of the road; other emergency vehicles are static. The regular police patrols arise because their role is to satisfy multiple objectives, some of which depend on being seen to be mobile. For responding to emergencies these patrols need to be coordinated so that assistance can be supplied as quickly as possible. It is common practice to divide a long motorway into separate stretches of roadway, and **assign** one vehicle to each. Published **analysis** of the problem of **finding** an optimal **assignment** of patrols to roadway has assumed that these stretches are equal in length. This paper extends earlier work to examine the consequences of having unequal lengths of road. It considers measures of effectiveness and their sensitivity to the choice of divisions of the roadway. (4 Refs)

Subfile: C

Descriptors: emergency services; operations research; optimisation; police; probability; road traffic; transportation

Identifiers: police patrol policy; motorways; emergency; optimal assignment; location problem; probability

Class Codes: C1290H (Systems theory applications in transportation); C1180 (Optimisation techniques); C1140Z (Other topics in statistics)

Copyright 1997, IEE

16/5/3 (Item 3 from file: 2)

DIALOG(R)File 2:INSPEC

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02285901 INSPEC Abstract Number: C84032904

**Title: An evaluation of vehicle dispatching rules and their effect on shop performance**

Author(s): Russell, R.S.; Tanchoco, J.M.A.

Author Affiliation: Dept. of Management Sci., Virginia Polytech. Inst. & State Univ., Blacksburg, VA, USA

Journal: Material Flow vol.1, no.4 p.271-80

Publication Date: May 1984 Country of Publication: Netherlands

CODEN: MATFD9 ISSN: 0167-1936

U.S. Copyright Clearance Center Code: 0167-1936/84/\$03.00

Language: English Document Type: Journal Paper (JP)

Treatment: Theoretical (T)

**Abstract:** Evaluates several vehicle dispatching rules, namely: largest number in queue; preferred order by nearest number in queue; preferred order by nearest load; longest waiting **time**; and random **assignment**. Overall performance **measures** include mean flow **time** and machine utilization. In addition, performance objectives specifically directed at material handling considerations, such as equipment utilization and maximum queue length are examined. A Q-GERT simulation model provides data for the analysis based on jobs divided into unit loads and routed randomly through a shop of four machine centers **serviced** by one computer-dispatched lift **truck**. Results include the observation that traditional measures of shop performance do not differ significantly according to vehicle dispatching rule. However, maximum queue length is significantly affected. Conclusions are directed at the practical implications of selecting among the vehicle dispatching rules tested. (8 Refs)

Subfile: C

Descriptors: computerised materials handling; queueing theory; scheduling

Identifiers: vehicle dispatching rules; shop performance; material handling; Q-GERT simulation model

Class Codes: C1290F (Industry); C7160 (Manufacturing and industry)

16/5/4 (Item 4 from file: 2)

DIALOG(R)File 2:INSPEC

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02235868 INSPEC Abstract Number: C84019908

**Title: I-colorings, I-phasings, and I-intersection assignments for graphs, and their applications**

Author(s): Opsut, R.J.; Roberts, F.S.

Author Affiliation: Dept. of Math., Rutgers Univ., New Brunswick, NJ, USA

Journal: Networks vol.13, no.3 p.327-45

Publication Date: Fall 1983 Country of Publication: USA

CODEN: NTWKAA ISSN: 0028-3045

U.S. Copyright Clearance Center Code: 0028-3045/83/030327-19\$02.90

Language: English Document Type: Journal Paper (JP)

Treatment: Theoretical (T)

**Abstract:** This paper studies set assignments on graphs, functions assigning a set  $S(x)$  to each vertex  $x$  of a graph, and specifically set assignments where each set is a real interval, perhaps of specified minimum length. Such set assignments arise in applied problems dealing with **fleet maintenance**, mobile radio frequency assignment, task assignment, traffic phasing, banquet preparation, and computer storage optimization. These **problems** are discussed. They are translated into **problems of finding** a set coloring (a set assignment in which an edge between  $x$  and  $y$  implies that  $S(x)$  and  $S(y)$  are disjoint), a set phasing (a set coloring of the complementary graph), or a set intersection assignment. The paper presents methods for finding set colorings, phasings, and intersection assignments in which the measure of the union of the intervals  $S(x)$  is minimized or in which the sum of the lengths of the  $S(x)$  is maximized. (17 Refs)

Subfile: C

Descriptors: graph theory; scheduling

Identifiers: scheduling; I-colorings; I-phasings; I-intersection assignments; graphs; set; vertex; fleet maintenance; mobile radio frequency assignment; task assignment; traffic phasing; banquet preparation; computer storage optimization; set coloring; set phasing; complementary graph; union

Class Codes: C1160 (Combinatorial mathematics); C1290 (Applications of systems theory)

16/5/5 (Item 5 from file: 2)

DIALOG(R)File 2:INSPEC

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02013374 INSPEC Abstract Number: C83011939

**Title: Cargo ships routing and scheduling: survey of models and problems**

Author(s): Ronen, D.

Author Affiliation: School of Business Administration, Univ. of Missouri-St. Louis, St. Louis, MO, USA

Journal: European Journal of Operational Research vol.12, no.2 p. 119-26

Publication Date: Feb. 1983 Country of Publication: Netherlands

CODEN: EJORDT ISSN: 0377-2217

U.S. Copyright Clearance Center Code: 0377-2217/83/0000-0000/\$03.00

Language: English Document Type: Journal Paper (JP)

Treatment: Theoretical (T)

**Abstract:** When a ship costs thousands of dollars per day, significant savings can be achieved by proper fleet routing and scheduling. In contrast to **vehicle** scheduling, relatively little **work** has been done in ship routing and scheduling. The paper discusses briefly the differences between

vehicle and ship routing and scheduling and the reasons for the low attention to ship scheduling in the past. The various modes of operation of cargo ships are described and a **classification** scheme for ship routing and scheduling models and **problems** is proposed. A **review** of ship routing, scheduling and related models is provided. The review is broken down into the following categories: transportation system models, liner operations, tramp shipping, industrial operations and other models. Finally, recent trends in ship scheduling, shortcomings in existing model and requirements from realistic models are discussed. (39 Refs)

Subfile: C

Descriptors: scheduling; ships; transportation

Identifiers: routing; scheduling; vehicle scheduling; cargo ships; transportation system; tramp shipping; industrial operations

Class Codes: C1290H (Transportation)

16/5/6 (Item 6 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2005 Institution of Electrical Engineers. All rts. reserv.

01640520 INSPEC Abstract Number: B81012922, C81004339

Title: **Beyond simple measurements: on-board monitor for vehicle prognosis (military land vehicles)**

Author(s): Olsson, A.G.; Hadden, S.C.

Author Affiliation: RCA Automated Systems, Burlington, MA, USA

Conference Title: Instrumentation in the Aerospace Industry, vol.26.

Advances in Test Measurement, vol. 17. Proceedings of the 26th International Instrumentation Symposium Part I p.271-80

Publisher: ISA, Research Triangle Park, NC, USA

Publication Date: 1980 Country of Publication: USA 425 pp.

Conference Date: 5-8 May 1980 Conference Location: Seattle, WA, USA

Language: English Document Type: Conference Paper (PA)

Treatment: Applications (A); Practical (P)

Abstract: An instrumentation package that includes a microprocessor is being evaluated by the US military for possible use on Army tanks and trucks, in an attempt to reduce **vehicle maintenance** costs. This package, called the **Vehicle Monitoring System (VMS)** not only **measures**, processes and **records** key vehicle parameters over long **time** periods, but also watches parameter trends for signs of predictable vehicle system failures and reports the need for corrective **maintenance** actions to the **vehicle** operator as soon as the condition is detected. The paper describes the functional capabilities of the VMS and shows how these capabilities are implemented by hardware and software. (5 Refs)

Subfile: B C

Descriptors: computerised monitoring; maintenance engineering; military equipment; vehicles

Identifiers: vehicle prognosis; military land vehicles; vehicle maintenance; Vehicle Monitoring System (VMS)

Class Codes: B7210B (Automatic test and measurement systems); B7910 (Military circuits, components, and equipment); C3380B (Electronic instruments); C7420 (Control engineering)

16/5/7 (Item 7 from file: 2)

DIALOG(R)File 2:INSPEC

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00845943 INSPEC Abstract Number: B76000240, C76000111

Title: **The location of stochastic services**

Author(s): Wilson, D.  
 University: Arizona State Univ., Tempe, AZ, USA  
 Dissertation Date: 1975  
 Country of Publication: USA 193 pp.  
 Availability: Univ. Microfilms, Ann Arbor, MI, USA. Order No. 75-12002  
 Language: English Document Type: Dissertation (DS)  
 Treatment: Theoretical (T)

Abstract: When facilities are intended to house service activities that are stochastic, queueing systems result at the service sites, and the problem becomes one in the location of stochastic services. The effect of the queueing systems on the choice of service sites is explored along with the concomitant determination of the number of servers to be provided at the various sites. The literature is reviewed for advances in location analysis and related subjects including the districting problem travel time queueing models and computer mapping. A classification scheme is presented for categorizing stochastic service location problems by their key attributes, and mathematical programming models are developed for two of the more common problems. Examples are given for both models, one concerned with the location of vehicle repair shops, the other with the location of emergency medical receiving facilities.

Subfile: A B C

Descriptors: maintenance engineering; mathematical programming; modelling ; patient treatment; queueing theory; stochastic systems

Identifiers: queueing systems; stochastic services; servers; location analysis; districting problem; travel time queueing models; computer mapping; mathematical programming; vehicle repair shops; emergency medical receiving facilities

Class Codes: A8770G (Patient care and treatment); B0160 (Plant engineering, maintenance and safety); B0240C (Queueing theory); B0260 (Optimisation techniques); B7520 (Patient care and treatment); C1140C (Queueing theory); C1180 (Optimisation techniques); C1340G (Time-varying systems)

16/5/8 (Item 1 from file: 35)

DIALOG(R)File 35:Dissertation Abs Online

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01445634 ORDER NO: AADAA-I9537807

**DISRUPTED LIVES: SERIOUSLY EMOTIONALLY AND BEHAVIORALLY DISTURBED CHILDREN AS YOUNG ADULTS (EMOTIONALLY DISTURBED CHILDREN)**

Author: EPSTEIN, HARRIET FRANCINE

Degree: PH.D.

Year: 1995

Corporate Source/Institution: BRANDEIS U., THE F. HELLER GRAD. SCH. FOR ADV. STUD. IN SOC. WEL. (0541)

Source: VOLUME 56/07-A OF DISSERTATION ABSTRACTS INTERNATIONAL.  
 PAGE 2892. 336 PAGES

Descriptors: SOCIOLOGY, PUBLIC AND SOCIAL WELFARE ; EDUCATION, SPECIAL ; SOCIOLOGY, INDIVIDUAL AND FAMILY STUDIES ; POLITICAL SCIENCE, PUBLIC ADMINISTRATION ; HEALTH SCIENCES, MENTAL HEALTH

Descriptor Codes: 0630; 0529; 0628; 0617; 0347

The group of twenty young adults who are the focus of this qualitative, exploratory study, received extensive, long term, publicly funded services for their emotional and behavioral disorders as children or adolescents and qualified for Chapter 766 special education services. The services they received, however, did not enable them to overcome their disabilities. As adults, they continue to be significantly impaired and in need of care by or through the Department of Mental Health in

Massachusetts. This study of their experience, coupled with reports from their families, providers and charts offered an account of their lives.

Their experiences also provided a **vehicle** to explore how Massachusetts delivers **services** to and cares for some of its most vulnerable citizens. A second set of interviews with administrators and advocates was developed to augment the original study and explore the formulation and implementation of policies which related to this **group** of people.

The main **sources** of data for this **study** were interviews with the twenty young adults, members of their families and service providers with whom they worked. These interviews were analyzed for content using qualitative research methods. Fifteen issues and themes were selected for discussion. These are, (1) multiple disruptions and discontinuities, (2) multiple problems and diagnoses, (3) abuse, (4) teasing, (5) education and training, (6) fragmentation of disciplines of care, (7) getting care, (8) losses and missed opportunities, (9) sadness, (10) loneliness and isolation, (11) stigmata, (12) intelligence, (13) sturdiness and strengths, (14) consolidation, and (15) making meaning.

These issues and themes revealed how this group of young adults understood their experience and current lives and the findings were supported by the interviews with their families and providers.

The study of administrators and advocates revealed the lack of a social, theoretical or political consensus among this group of individuals about what is required to care for children with emotional disabilities and their families. This, in turn, is reflected in the "non-system" of care provided for children and adolescents with emotional disabilities.

16/5/9 (Item 2 from file: 35)  
DIALOG(R)File 35:Dissertation Abs Online  
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01267341 ORDER NO: AADDX-88327

**THE NORTH-EAST COAST WHALE FISHERY, 1750-1850 (ENGLAND, GREENLAND)**

Author: BARROW, ANTHONY

Degree: PH.D.

Year: 1989

Corporate Source/Institution: COUNCIL FOR NATIONAL ACADEMIC AWARDS  
(UNITED KINGDOM) (0935)

Source: VOLUME 50/12-A OF DISSERTATION ABSTRACTS INTERNATIONAL.  
PAGE 4048. 392 PAGES

Descriptors: ECONOMICS, HISTORY; FISHERIES; ECONOMICS, COMMERCE-BUSINESS  
Descriptor Codes: 0509; 0792; 0505

Available from UMI in association with The British Library.

This thesis explores the economic, commercial and social conditions which sustained the Greenland trade from the ports of North East England between 1750 and 1850. It examines the interplay of these factors from a local as well as a national perspective and assesses their relative importance over **time**. As a case **study** of a **group** of ports, it provides further corroborative evidence for many of the assertions that have already been made about the structure and profitability of the Greenland trade during this period. Hitherto there had been no comprehensive study of the whaling trade as it was conducted from the ports of the region, nor an analysis that placed it into a broader maritime context. It is shown that whaling was an important source of employment for the shipping stock trading from local ports and fitted into existing patterns of ship utilisation. The commercial and industrial activity generated by the Greenland trade is also considered and the supply of a local market by local ships is identified as a principal factor in the **maintenance** of a Greenland **fleet** on the North East coast. It is further

argued that there was a measure of interlinkage between the ports of the region which enabled shipowners to respond more flexibly to the many factors which affected the productivity of their ships. Comparisons are made with the performance of whale ships sailing from other ports and the degree of typicality of local whaling enterprise is explored. There is an original study of the crewing of whaling ships and an assessment of the character and conditions of Greenland sailors. The material adds significantly to our knowledge of this branch of the merchant service and has relevance to the wider debate about the wages and conditions of merchant seamen before 1850.

16/5/10 (Item 3 from file: 35)

DIALOG(R)File 35:Dissertation Abs Online

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01239843 ORDER NO: AAD92-26787

**PRODUCTION SCHEDULING AND OPERATIONAL CONTROL: NEW ALGORITHMS WITH APPLICATIONS TO THE MINING INDUSTRY**

Author: TAN, SIZHE

Degree: PH.D.

Year: 1992

Corporate Source/Institution: THE PENNSYLVANIA STATE UNIVERSITY (0176)

Adviser: RAJA V. RAMANI

Source: VOLUME 53/05-B OF DISSERTATION ABSTRACTS INTERNATIONAL.

PAGE 2523. 358 PAGES

Descriptors: OPERATIONS RESEARCH; ENGINEERING, MINING; COMPUTER SCIENCE

Descriptor Codes: 0796; 0551; 0984

In this thesis, several aspects of production scheduling and operational control problems have been investigated. The scope of the study has included (a) analysis of the current issues, (b) development of related theory, mathematical modeling, and solution algorithms, and (c) implementation, validation, and application demonstration of the models developed in this research.

A new algorithm integrating the dynamic programming and branch-and-bound techniques, called the RBDP algorithm, has been developed for solving multi-stage optimization problems and modeling the resource-constrained scheduling problem. A logical linear programming model (LLP) has also been developed which incorporates logical constraints of the form "IF (a\$ \sb1\$ x\$ \sb1\$ \$ b\$ \sb1\$ \lbrack AND {\bf a}\$ \sb2\$ {\bf x}\$ \sb2\$ \lbrack b\$ \sb2\$ \lbrack THEN a\$ \sb3\$ x\$ \sb3\$ \$ b\$ \sb3\$ \lbrack OR {\bf a}\$ \sb4\$ {\bf x}\$ \sb4\$ \lbrack b\$ \sb4\$ \lbrack ", where the portion in brackets is optional and \$ can take '\$ \leq\$', '\$ \geq\$', or '\$ =' into the traditional LP formulation. The solution algorithms for the RBDP and LLP models have been programmed for computers.

A general computer representation of the mine production scheduling problem has been developed. Several important aspects related to mine production scheduling covered in this representation include the modular structure of the model, selection of scheduling objectives, generation of precedence constraints, and consideration of mine product quality requirements.

Applications of the scheduling models are demonstrated using two hypothetical mine production scheduling problems. In addition, using a case study of a mine extension project, the applications of the RBDP and LLP scheduling models to a underground coal mine development project have been presented. In open-pit scheduling, a problem involving multiple products and the combination domains of these products has been modeled and solved using the DP and LP techniques.

In the operational control area, a new approach to understanding and solving the operational control problems using the queueing network model

has been presented. The **problems** researched include sizing of a **truck fleet**, evaluating **maintenance** and replacement policies, **assigning trucks** to shovels, and truck dispatching. An extensive cross comparison of basic truck dispatching criteria has been conducted. The procedure for the development of hybrid truck dispatching criteria for open pit mines has been outlined.

16/5/11 (Item 4 from file: 35)

DIALOG(R)File 35:Dissertation Abs Online

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01156935 ORDER NO: AAD91-12624

**PLANNING INTERMODAL DRAYAGE NETWORK OPERATIONS (DRAYAGE NETWORK OPERATIONS)**

Author: SPASOVIC, LAZAR NIKOLA

Degree: PH.D.

Year: 1990

Corporate Source/Institution: UNIVERSITY OF PENNSYLVANIA (0175)

Supervisor: EDWARD K. MORLOK

Source: VOLUME 51/12-B OF DISSERTATION ABSTRACTS INTERNATIONAL.

PAGE 6082. 387 PAGES

Descriptors: ENGINEERING, SYSTEM SCIENCE; OPERATIONS RESEARCH

Descriptor Codes: 0790; 0796

This dissertation presents a model of trucking (drayage) operations that are encountered in rail- **truck** intermodal **service**. In these operations loaded trailers arriving at a terminal by rail are delivered to their destinations (consignees) by truck tractors. Also, empty trailers are delivered to shippers, loaded, and delivered to the terminal by truck for the outbound movement by rail. Thus, the **problem studied** can be described as a multi-unit vehicle operations planning **problem**, in which loaded and empty trailers must be **assigned** tractors and then moved between the terminal, consignees, and shippers, while meeting service constraints in form of time windows for delivery or pick up.

An optimization model of this process has been developed, but this model is not solvable by standard methods. Two solution methods, termed the Two-Stage and the Multi-Stage procedures, have been developed and are used to solve the model. Both procedures exploit the hidden near-network structure of the model in order to obtain desired integer solutions.

The bridge between theory and practice is made by applying the model to a real-world drayage operation case study. The model is used to answer questions regarding reorganization of the drayage operation in order to simultaneously increase efficiency and service quality. The cost of various centralized drayage operations planning alternatives were compared to the total price paid for drayage in the current operation. The results showed that substantial cost savings were attainable from the introduction of the centralized operations planning of drayage over that of current operation. In addition to its usefulness for exploring strategic alternatives, variants or extensions of the model should be useful for tractor-trailer dispatching and day-to-day management. Thus the model points to new areas for research as well.

16/5/12 (Item 5 from file: 35)

DIALOG(R)File 35:Dissertation Abs Online

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926430 ORDER NO: AAD86-17190

**AN EPIDEMIOLOGIC STUDY OF SUDDEN DEATH AT WORK (OCCUPATIONAL HEALTH, CARDIOVASCULAR, FATAL INJURIES, SURVEILLANCE, ACCIDENTS)**



Author: ROBINSON, CYNTHIA CAMERON  
Degree: PH.D.  
Year: 1985  
Corporate Source/Institution: UNIVERSITY OF PITTSBURGH (0178)  
Source: VOLUME 47/05-B OF DISSERTATION ABSTRACTS INTERNATIONAL.  
PAGE 1950. 230 PAGES  
Descriptors: HEALTH SCIENCES, PUBLIC HEALTH  
Descriptor Codes: 0573

245 sudden deaths due to fatal injuries and natural causes occurred from 1979 through 1982 while the decedent was at work in Allegheny County, Pennsylvania. The deaths were identified from the records of the county coroner. The age adjusted death rate of natural causes among white males at work was 11.2 per 100,000; over 90% of the deaths were due to heart attacks. This was twice as high as the death rate for fatal injuries among white males at work, which was 5.5 per 100,000. Men employed in service occupations had an age adjusted natural death rate at work of 27.0 per 100,000, 2.5 times as high as the overall county rate.

Men employed in the construction industry had the highest age adjusted rate of fatal injuries at work, which was 24.3 per 100,000, 4.4 times as high as the overall rate. Non-road motor vehicles were involved in 19% (13/68) deaths; ladders or scaffolds were involved in 18% (12/68) deaths. In 25% (17/68) of fatal injuries, at least one other person or employee was injured, either trying to assist the decedent, or as a result of the incident. Sixteen additional deaths or injuries resulted. Only one percent (2/144) of natural deaths at work and 7% (5/68) fatal injuries had blood alcohol levels exceeding 100 mg/ml, the level of intoxication.

A case control study based on cases identified by the descriptive study found that men who died on the job from sudden cardiac death were statistically significantly more likely to be in a blue collar occupation, compared to men who died off the job. (RR = 3.8.) These observations in general confirmed the results of the descriptive study.

The results of this study suggest improvements in the prevention and surveillance of sudden deaths which occur at work. A flip switch alert system for the lone worker who needs aid, better training for rescue operations in confined spaces, and better **maintenance** of non-road motor **vehicles** were recommended highly. It was observed that coroners' **records** are a much more comprehensive **source** than state vital statistics for **identification** of all sudden deaths at work in a defined geographic area. It is suggested that they form the basis of a potential national surveillance network of sudden deaths which occur at work.

16/5/13 (Item 6 from file: 35)  
DIALOG(R)File 35:Dissertation Abs Online  
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859730 ORDER NO: AAD84-24137  
**OPTIMIZATION OF SET ASSIGNMENTS FOR GRAPHS**

Author: OPSUT, ROBERT JAMES  
Degree: PH.D.  
Year: 1984  
Corporate Source/Institution: RUTGERS UNIVERSITY THE STATE U. OF NEW  
JERSEY (NEW BRUNSWICK) (0190)  
Source: VOLUME 45/07-B OF DISSERTATION ABSTRACTS INTERNATIONAL.  
PAGE 2192. 254 PAGES  
Descriptors: MATHEMATICS  
Descriptor Codes: 0405

We study some optimization problems for set assignments for

graphs. These **problems** arise from a variety of areas including mobile radio frequency **assignment**, traffic phasing, scheduling, **vehicle maintenance**, and keyword conflict. These applications are discussed throughout the dissertation.

A phasing for a graph is an assignment of sets to the vertices so that if the intersection of two sets is nonempty then there is an edge between the two vertices. Many applied problems can be formulated as optimizing phasings on graphs where the sets are restricted in form or size (e.g. intervals on the real line of some minimum size).

Roberts observed that one way to approach these problems is to look at intersection assignments on subgraphs: An intersection assignment for a graph is an assignment of sets to the vertices so that the intersection of two sets is non-empty if and only if there is an edge between the two vertices.

Using this technique we are able to obtain bounds for some general cases and prove that for certain cases the problems are difficult (NP-hard). We also develop some efficient algorithms for finding optimal assignments when the graphs are restricted to certain classes.

In the process of developing one of these algorithms we formulate a generalization of the independence number of a graph and develop an algorithm to calculate it for interval graphs.

Finally we investigate an optimization problem first formulated in the study of ecology. A food web can be represented as a digraph  $F = (V, A)$  where the vertices correspond to the species and there is an arc from species  $x$  to species  $w$  if  $x$  prey on  $w$ . Cohen in studying niche overlap among species introduced the notion of the competition graph of a food web. We define the competition graph  $G = (V, E)$  of a food web  $F$  by  $(x, y) \in E$  if and only if there exists a  $w$  such that  $(x, w) \in A$  and  $(y, w) \in A$ . In other words, if we assign to each vertex  $x$  in  $G$  the species upon which  $x$  preys in  $F$ , then this assignment is a set intersection assignment for  $G$ . We study here the question of recognizing those graphs which are the competition graphs of acyclic food webs. Roberts showed that any graph  $G$  can be transformed into a competition graph by adding isolated vertices and defined its competition number  $k(G)$  as the fewest extra vertices needed. We give bounds for the competition number, show that recognizing competition graphs in general is NP-complete and compute  $k(G)$  for the class of line graphs.

16/5/14 (Item 1 from file: 99)

DIALOG(R)File 99:Wilson Appl. Sci & Tech Abs  
(c) 2005 The HW Wilson Co. All rts. reserv.

1697907 H.W. WILSON RECORD NUMBER: BAST95054500

**Material handling sparks new thinking in maintenance**

Witt, Clyde E;

Material Handling Engineering v. 50 (Aug. '95) p. 38-41

DOCUMENT TYPE: Feature Article ISSN: 0025-5262 LANGUAGE: English

RECORD STATUS: Corrected or revised record

**ABSTRACT:** United Airlines has planned its new maintenance facility at the Indianapolis International Airport around a material handling system that gets the right parts to the right operation at the right time. One material handling problem is the removal of parts from the work area. The difference with this facility is that emphasis is placed on the processes in designing and planning. Rather than moving things from one end of the building to the other, large mezzanines have been constructed around the aircraft. Now parts can be removed and repaired at the side of the aircraft, speeding the maintenance process and getting the plane back into **service** much faster. Automatic guided **vehicles** are employed to move

large parts and unit loads to the storage area. The system also involves initial scanning of the bar code label to determine if an incoming part should be delivered to storage or directly to the line.

DESCRIPTORS: Airplane service stations--Equipment; Materials handling equipment; United Air Lines, Inc;

16/5/15 (Item 2 from file: 99)

DIALOG(R)File 99:Wilson Appl. Sci & Tech Abs  
(c) 2005 The HW Wilson Co. All rts. reserv.

1390430 H.W. WILSON RECORD NUMBER: BAST93036893

**Engineering services: where creativity thrives**

Design News v. 49 (July 5 '93) p. 106-8+

DOCUMENT TYPE: Feature Article ISSN: 0011-9407 LANGUAGE: English

RECORD STATUS: Corrected or revised record

ABSTRACT: Part of a special career survey section. An increasing number of creative design ideas are originating from engineering services firms. A shift in engineering employment from manufacturing firms to service firms has been evidenced. This trend has arisen because of layoffs at giant manufacturers due to restructuring, and a growing entrepreneurial flair among engineers. The consulting engineers encounter a greater level of freedom in these service firms, which in turn encourages a more creative approach to design problems. This phenomenon is illustrated through case studies of several firms: Creative Industries Group, an automotive engineering service firm; Scaled Composites, a small services firm specializing in aircraft design; and Stratos Product Development Group, a services firm specializing in interfaces for a wide range of products.

DESCRIPTORS: Consulting engineers and engineering;

16/5/16 (Item 1 from file: 474)

DIALOG(R)File 474:New York Times Abs  
(c) 2005 The New York Times. All rts. reserv.

00693963 NYT Sequence Number: 054799760229

(State Farm Mutual Ins Co index indicates that prices of auto parts most frequently damaged in collisions have risen 56.5% since '74. Auto indus critics say major portion of increases are attributed to monopoly enjoyed by mfrs over production and distribution of crash parts. Say indus raised parts prices to compensate for slumping sales of new cars in '74 and '75. Indus disputes findings of index. Sen Commerce Com on Mar 1 will open hearings on controversy. Fed Council on Wage and Price Stability recently announced probe of price increases for crash parts, and FTC is concluding probe into question of monopolization. Announcements by auto ins cos that they will seek substantial rate increases have heightened concern over issue. Crash parts in question are sheet metal parts that are only produced by auto mfrs. Mkt for crash parts is estimated to be \$3-billion annually. Charles W Joiner, Chrysler part's gen mgr, Joseph A Kordick, Ford service programs mgr, State Farm vp Thomas Morrill and Automotive Service Councils atty Don Randall comment. (M).)

CERRA, FRANCES

New York Times, Col. 4, Pg. 34

Sunday February 29 1976

DOCUMENT TYPE: Newspaper JOURNAL CODE: NYT LANGUAGE: English

RECORD TYPE: Abstract

COMPANY NAMES: AUTOMOTIVE SERVICE COUNCILS INC; CHRYSLER CORP; FORD MOTOR CO; SENATE COMMITTEE ON COMMERCE, SCIENCE AND TRANSPORTATION; STATE FARM

MUTUAL INSURANCE CO; TRADE COMMISSION, FEDERAL (FTC); WAGE AND PRICE STABILITY, COUNCIL ON  
DESCRIPTORS: ANTITRUST ACTIONS AND LAWS; AUTOMOBILES; PRICES; SALES (INDUSTRY-WIDE); SPARE AND COMPONENT PARTS  
PERSONAL NAMES: CERRA, FRANCES; JOINER, CHARLES W; KORDICK, JOSEPH A; MORRILL, THOMAS; RANDALL, DON

16/5/17 (Item 1 from file: 475)  
DIALOG(R)File 475:Wall Street Journal Abs  
(c) 2005 The New York Times. All rts. reserv.

01104393 NYT Sequence Number: 003623780530  
(Computer Identics Corp sues Southern Pacific Co, railroad holding co, charging it and Assn of American Railroads (AAR) with conspiring in restraint of trade to keep automatic car identification (ACI) systems from succeeding. Rail industry voted to end requirement for scanning device and labels used to keep track of rolling stock. Railroad officials hold that ACI scanners, designed to identify cars by reading coded labels as cars passed, would not work properly after labels became dirty and obliterated. Computer Identics charges that Southern Pacific used its position within AAR to create doubt as to whether trade group would continue to support ACI (S).)  
ULMAN, NEIL  
Wall Street Journal, Col. 1, Pg. 40  
Tuesday May 30 1978  
DOCUMENT TYPE: Newspaper JOURNAL CODE: WSJ LANGUAGE: English  
RECORD TYPE: Abstract

COMPANY NAMES: COMPUTER IDENTICS CORP; RAILROADS, ASSN OF AMERICAN (AAR); SOUTHERN PACIFIC CO  
DESCRIPTORS: ANTITRUST ACTIONS AND LAWS; CONSPIRACY, CRIMINAL; IDENTIFICATION DEVICES; LABELING AND LABELS; RAILROADS; SUITS AND LITIGATION  
PERSONAL NAMES: ULMAN, NEIL

16/5/18 (Item 1 from file: 583)  
DIALOG(R)File 583:Gale Group Globalbase(TM)  
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09398336  
Volkswagen revolutioniert sein Produktionssystem  
GERMANY: VW LOOKING FOR NEW INCOME SOURCES  
Handelsblatt (HT) 06 Nov 2000 p.15  
Language: GERMAN

According to Ferdinand Piech, German Volkswagen intends to find new income sources. So far, the income of the group has mainly come from the sale of new cars and spare parts in the first 2-3 years <after the car purchase>. In future, one third of the income is to be generated from the sale of new cars, another third from car service and another third from financial services.

PRODUCT: Motor Vehicles & Parts (3710);  
EVENT: Planning & Information (22);  
COUNTRY: Germany (4GER);

16/5/19 (Item 2 from file: 583)

DIALOG(R)File 583:Gale Group Globalbase(TM)  
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09395770

Honda Siel, Maruti rank highest in JD Power CSI  
INDIA: HIGHEST CONSUMER INDEX FOR MUL  
The Times of India (TSI) 24 Oct 2000 online  
Language: ENGLISH

Based on the 2000 India customer satisfaction **index** (CSI) **study** of JD Power, the customer satisfaction **index** of Maruti Udyog (MUL) of India and India's Honda Siel was recorded at 115 respectively in 2000. Firms that have obtained ranking below the industry average in the customer satisfaction index are Telco, General Motors, Fiat, Daewoo Motors, Ford India as well as Mahindra and Mahindra. These firms could not give good performance in terms of service aspect. Of the index, 60% were contributed service performance. The industry average for the customer satisfaction index was 111 in 2000. Hindustan Motors (Mitsubishi Division) has managed to obtain 113 points for the similar **index** with Hyundai Motors tailing behind. The **study** was conducted to **find** out client satisfaction with dealer **service** and quality of **vehicle** after possessing the vehicles for between 12 to 18 months.

COMPANY: HYUNDAI MOTORS; MITSUBISHI; HINDUSTAN MOTORS; MAHINDRA & MAHINDRA  
; FORD INDIA; DAEWOO MOTORS; FIAT; GENERAL MOTORS; TELCO; HONDA SIEL;  
MARUTI UDYOG; JD POWER

PRODUCT: Cars (3711CA);  
EVENT: Marketing Procedures (24);  
COUNTRY: India (9IND);

16/5/20 (Item 3 from file: 583)

DIALOG(R)File 583:Gale Group Globalbase(TM)  
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09319102

Mercedes leads the way in satisfaction  
THAILAND: HYUNDAI DISAPPOINTS IN CLIENT SURVEY  
The Nation (XBO) 04 Jul 2000 online  
Language: ENGLISH

On 3 July 2000, the Thailand Customer Satisfaction **Index** **survey** was unveiled in Thailand by JD Power Asia Pacific. The survey which was participated by 1,600 new car owners with the maximum time period of ownership of 18 months was aimed to gauge customer satisfaction over **car** dealer **services** in the country. The survey noted that Hyundai, Mitsubishi, Nissan, Mazda, Ford and Honda reported below industry average as expressed by their clients. However, Isuzu and Toyota were named the second best in the customer satisfaction index. Mercedes-Benz caused upset to the number 2 ranking achievers by mere one point difference to be at the peak of the satisfaction index. Other car dealers which is in the above industry average included BMW. The **index** was used to **measure** client satisfaction in terms of appearance of dealers premises, service fee, client orientation, service performance and service adviser. It has been found that the latter factor is of major importance to the clients whilst the first factor is the least important to determine customers satisfaction. Another noteworthy aspect of the survey is the fact that about 90% of the new car owners try to cash in on the warranty period by taking their **car** for **servicing** for at least once at the dealers. This

first time **car servicing** may be seen as way to allow the dealers to try their best to appeal to their clients in order for them (clients) to remain committed at the same dealer for one period of time.

COMPANY: HYUNDAI; MAZDA; MERCEDES-BENZ; BMW; HONDA; FORD; NISSAN;  
MITSUBISHI; JD POWER ASIA PACIFIC

PRODUCT: Cars (3711CA);  
EVENT: Marketing Procedures (24);  
COUNTRY: Thailand (9THA);

16/5/21 (Item 4 from file: 583)

DIALOG(R)File 583:Gale Group Globalbase(TM)  
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09301274

El indice de precios metropolitano avanza 0.41%: CI

MEXICO: MAY 2000 CONSUMER PRICE INDEX

Excelsior (YZZ) 05 Jun 2000 Online

Language: SPANISH

In Mexico, economic **analysis** company Consultores Internacionales reported the metropolitan consumer price **index** (CPI) for May 2000. The CPI showed an increment of 0.41%, compared to April 2000. It is still the lowest figure for this month in the last 6 years. The sectors that reported higher increments were clothing and shoes at 0.73%, Transport and communication at 1.27%, housing and related at 1.21% and health, which increased by 1.52%. Meanwhile, the sectors that incremented the least were food (-0.31%) and education and entertainment (0.29%). In addition, transport and communication increased mostly because of higher prices in **automotive maintenance**; while in the food segment, the highest prices were registered by bottled beverages, flour and its sub-products.

COMPANY: CONSULTORES INTERNACIONALES

PRODUCT: Prices (E4400);  
COUNTRY: Mexico (3MEX);

16/5/22 (Item 5 from file: 583)

DIALOG(R)File 583:Gale Group Globalbase(TM)  
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09172493

Partners in pollution battle

HONG KONG: JOINT WORKSHOP TO TACKLE POLLUTION

China Daily (XKP) 07 Oct 1999 P. 3

Language: ENGLISH

As disclosed in the 1999 Policy Address, the Hong Kong government and the Guangdong provincial government will set up a Joint Working Group on Sustainable Development and Environment Protection to make the environment in the Pearl River Delta Region better, and will set up the Hong Kong Guangdong Motor Diesel Fuel Specification Working Group to tackle diesel fuel pollution caused by **automobiles**. The **work group** will look into acid rain problem, nitrogen dioxide, photochemical smog **problem** in the Pearl River Delta Region and will finalise their **findings** and recommendation by 2001. \*

ECI 3600

Dialog Search

PRODUCT: Motor Vehicles & Parts (3710);  
EVENT: Government Domestic Functions (97);  
COUNTRY: Hong Kong (9HON); China (9CHN);

16/5/23 (Item 6 from file: 583)  
DIALOG(R)File 583:Gale Group Globalbase(TM)  
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09115955  
transport groups unveils green ideas  
HONG KONG: AIR POLLUTION RELIEVE MEASURES  
The HongKong Standard (XKR) 05 Jun 1999 p.12  
Language: ENGLISH

Public transport **groups** have jointly suggested 21 **measures** to the Hong Kong government for relieving air pollution **problem** in Hong Kong. The following table shows the details: 1) Launching ultra-low-sulphur fuel 2) Smashing illegal diesel supply 3) Diesel tax cutting 4) Encouraging taxi owners to use liquefied petroleum gas 6) Stricter emission standards for imported vehicles 5) Emission abatement systems to be compulsory installed in new vehicles 7) Setting up a vehicle technology data base 8) Re-training programs for **car repair** technicians 9) Upgrading the **vehicle maintenance** training programs by using modern technology 10) Introduce dynamometers for checking up emissions problems of vehicles

PRODUCT: Motor Vehicles & Parts (3710);  
EVENT: Pollution/Environment (42); Market & Industry News (60);  
COUNTRY: Hong Kong (9HON);

16/5/24 (Item 7 from file: 583)  
DIALOG(R)File 583:Gale Group Globalbase(TM)  
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06535059  
Retail sales index down 10.8% in August  
SINGAPORE: AUGUST'S RETAIL SALES INDEX DROPPED  
The Straits Times (XBB) 20 Oct 1997 P.45  
Language: ENGLISH

Following the month-long Great Singapore Sale which concluded on 27 July 1997, Singapore's retail sales index dropped 10.8% to an estimated S\$ 2.02 bn in August 1997 compared to July 1997. Activities that posted decline during the cited period include textiles, apparel and personal effects (down 21.4%), furniture and household equipment (down 14%), motor **vehicles** (down 9.3%) and petrol **service** stations (down 2.7%). Catering trade index grew 0.6% to an estimated S\$ 248 mn during the period under review. However, the Department of Statistics reported that August's retail sales **index** was flat when **compared** to the same month in 1996.

PRODUCT: Food Retailing (5400); Retail Trade (5200);  
EVENT: Company Reports & Accounts (83);  
COUNTRY: Singapore (9SIN);

16/5/25 (Item 8 from file: 583)  
DIALOG(R)File 583:Gale Group Globalbase(TM)  
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JMB

Date: 28-Feb-05

ECI 3600

Dialog Search

06134841

Inflation hits 6.5% in 1994

PAPUA NEW GUINEA: 1994'S INFLATION RATE

Post Courier (XAW) 15 Mar 1995 P.27

Language: ENGLISH

According to the National Statistics Office (NSO) of Papua New Guinea, the consumer price index was 6.5% in 1994. This compares with 4.8% for the year to December 1993. The improvement was attributed almost solely to a 7.3% increase in the December quarter. The December quarter figures from NSO showed increases in Port Moresby, Goroka, Lae and Madang. Prices in Port Moresby rose 7.8% in the December quarter while prices in Goroka rose 7.5%. Prices in Lae rose 6.3% while Madang had 7.3% increase. Transport and communications had the most increase with 15.9% growth. NSO said that higher prices for motor vehicles, petrol and motor vehicle repairs had boosted the rise in transport prices. It was reported that the year-on-year average inflation for 1994 was 2.9%. The figure was well below the 5.0% forecast. The Government has forecast a 15% inflation rate for 1995.

COMPANY: NSO; NATL STATISTICS OFFICE

PRODUCT: Prices (E4400);

EVENT: null (00);

COUNTRY: Papua New Guinea (9PAP);



ECI 3600

Dialog Search

Set	Items	Description
S1	3239038	AUTOMOBILE? ? OR AUTOMOTIVE OR AUTO? ? OR VEHICLE? ? OR CAR OR CARS OR TRUCK? ? OR PICKUP? ? OR FLEET
S2	191063	S1(3N)(REPAIR? OR SERVIC? OR FIX OR FIXES OR WORK OR BODYW- ORK OR MAINTENANCE OR REFURBISH OR OVERHAUL? ?)
S3	2153844	(BACK OR TIE OR HOLD OR HANG)()UP? ? OR SLOWDOWN? ? OR SLO- W()DOWN? ? OR CODE? ? OR INDEX OR IDENTIFIER? ?
S4	20117	S2(S)(S3 OR (DELAY? ? OR TIME OR WAIT OR CAUSE? ? OR REASO- N? ? OR SOURCE? ? OR ERROR? ? OR PROBLEM? ? OR HINDRANCE? ? OR IMPEDIMENT? ? OR INTERRUPTION? ? OR JAM OR BOTTLENECK? ? OR - BACKUP? ? OR TIEUP? ? OR HOLDUP? ? OR HANGUP? ?))
S5	9495405	ASSIGN? OR CATEGORIZ? OR CLASSIF? OR CODIF? OR INDEX? OR C- ATALOG? OR LABEL? OR GROUP? ? OR RECORD? ?
S6	1027	S4(10N)S5
S7	81	S6(10N)(TRACK??? OR FOLLOW??? OR EXAMIN??? OR MONITOR??? OR CHECK??? OR WATCH??? OR AUDIT??? OR OBSERV??? OR LOOK??? OR - VIEW??? OR (KEEP? OR KEPT)()TABS)
S8	33	S7(S)(ANALYS??? OR ANALYZ??? OR BENCHMARK??? OR EVALUAT??? OR EXAM? OR COMPAR??? OR INSPECT??? OR INVESTIGAT? OR REVIEW?- ?? OR STUDY??? OR STUDI?? OR SURVEY??? OR MEASUR???)
S9	33	RD (unique items)
S10	3	S9 NOT PY>2000
S11	80	RD S7 (unique items)
S12	15	S11 NOT PY>2000

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File 20:Dialog Global Reporter 1997-2005/Feb 28

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12/3,K/1

DIALOG(R)File 20:Dialog Global Reporter  
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14028737

**Say goodbye to those well-thumbed repair manuals**

DONALEE MOULTON

FINANCIAL POST, p07

December 01, 2000

JOURNAL CODE: FFP LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 357

... and can be bought online from a number of outlets (www.fopinion.com/manuals/chilton/ **index** .html gives a detailed **look** at the Chilton lineup). In the real world, local bookstores and auto shops may also...

12/3,K/2

DIALOG(R)File 20:Dialog Global Reporter  
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13863256

**Used car worries**

SECTION TITLE: Business

IRISH INDEPENDENT

November 18, 2000

JOURNAL CODE: FII LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 60

...sales, despite an ongoing healthy increase in retail activity. That is according to a new **tracking index** established by online **car** location and retail **service** provider AutoLocate in association with CAP Motor Research. The **index** also revealed dealers expect a sharp decline in new car sales.

12/3,K/3

DIALOG(R)File 20:Dialog Global Reporter  
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13611815

**Take charge of service records, battery health**

CRAIG OWEN

FINANCIAL POST, p02

November 03, 2000

JOURNAL CODE: FFP LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 412

**Looking** at the **records** of your vehicle's repair history can save you **time** and money -- especially if you have car trouble on the road. If a mechanic far...

12/3,K/4

DIALOG(R)File 20:Dialog Global Reporter  
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12802596 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Honda calls back Accords**

ECI 3600

Dialog Search

HARRY STOFFER  
AUTOMOTIVE NEWS, p22  
September 11, 2000  
JOURNAL CODE: WCAN LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 597

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... VICTORIA, MERCURY GRAND MARQUIS, LINCOLN TOWN CAR  
Problem: Jack instructions are wrong; if they are followed , vehicle  
can drop suddenly.  
Fix : Send owners new jack instruction card, warning label and  
manual insert.  
Number: 875,000.  
1998-99 KIA SEPHIA  
Problem: Valve on fuel filler...

12/3,K/5

DIALOG(R)File 20:Dialog Global Reporter  
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11872174 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**The NPD Group Reports Escalating Gasoline Prices Not Likely to Discourage  
Summer Driving**  
BUSINESS WIRE  
July 10, 2000  
JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 790

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... purchase, number of purchases -- last 30 days, other services used,  
and demographics.  
The Motor Fuels Index is part of a portfolio of services for the  
petroleum, automotive , and convenience store industries that includes the  
Automotive Oils Index , the Convenience Store Monitor , and AUTOPOST  
(automotive point-of-sale database). These services are provided by NPD's  
Automotive...

12/3,K/6

DIALOG(R)File 20:Dialog Global Reporter  
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11502368 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Cars.com Launches MyCarSite, New Web Page Dedicated To Car Owners**  
PR NEWSWIRE  
June 14, 2000  
JOURNAL CODE: WPRW LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 631

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... of a vehicle. MyCarSite users can easily point prospective  
customers to their Web pages to view the vehicle's maintenance  
records and recall histories. In this respect it serves as a  
comprehensive marketing tool.  
MyCarSite is...

JMB

Date: 28-Feb-05

12/3,K/7

DIALOG(R)File 20:Dialog Global Reporter  
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11350918 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Fleet Announces \$2 Billion Initiative for Women Business Owners and  
Entrepreneurs; Announcement Marks Launch of the Women Entrepreneurs'  
Connection in New York Metropolitan Market**

BUSINESS WIRE

June 05, 2000

JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 1355

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... this group of small business owners," said Norman J. DeLuca,  
Managing Director of Small Business Services at Fleet .

**Track Record** of Success

"We have a **track record** of success in financing women-owned  
businesses and advocating programs which support them," said Teresa...

12/3,K/8

DIALOG(R)File 20:Dialog Global Reporter  
(c) 2005 The Dialog Corp. All rts. reserv.

08343077 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Rare Medium Earns Top London International Advertising Award for Design  
Work On Starbright Foundation Web Site**

PR NEWSWIRE

November 22, 1999

JOURNAL CODE: WPRW LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 668

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... looking statements reflect numerous assumptions and involve risks  
and uncertainties that may affect Rare Medium **Group** Inc., and its  
subsidiaries' business and prospects and **cause** actual results to differ  
materially from these forward- **looking** statements. Among the factors that  
could cause actual results to differ are Rare Medium's...

12/3,K/9

DIALOG(R)File 20:Dialog Global Reporter  
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07742894 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Town Centre set for major developments**

SECTION TITLE: Business

YORKSHIRE POST

October 14, 1999

JOURNAL CODE: FYP LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 474

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... better growth potential.

At the same time it plans to boost earnings from car parks **following**

last December's GBP2m acquisition of Universal Parking **Group** , which provides **car** parking **services** for hospitals.

The company is **looking** to expand the car park business into other sectors such as railway stations, airports and...

**12/3,K/10**

DIALOG(R)File 20:Dialog Global Reporter  
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04609383 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**INDIA: AUTOMOBILES & COMPONENTS MARKET: AN OVERVIEW**

INTERNATIONAL MARKET INSIGHT REPORTS

March 09, 1999

JOURNAL CODE: FIMI LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 1212

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... UPGRADE OF PRODUCTS. FOR THIS PURPOSE TATA AUTO COMPONENTS, AN AUTO COMPONENT COMPANY OF TATA **GROUP** HAS ENTERED INTO NEW **TIE - UPS** WITH A NUMBER OF INTERNATIONAL PLAYERS.

4) WITH A **VIEW** OF ACHIEVING COST EFFECTIVENESS, DAIMLER CHRYSLER, FORMED BY THE MERGER OF DAIMLER BENZ AND CHRYSLER...

**12/3,K/11**

DIALOG(R)File 20:Dialog Global Reporter  
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03731865 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**CSM FOCUS: 1999 Customer Service Excellence Awards**

M2 PRESSWIRE

December 11, 1998

JOURNAL CODE: WMPR LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 704

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... customisable application for call logging and problem management and is supplied with extensive call history, **tracking** and **assignment** tools, together with advanced call **auto** -escalation and **Service** Level management functionality. ODBC compliant HEAT provides for email, internet, Lotus Notes, 3270 and CTI...

**12/3,K/12**

DIALOG(R)File 20:Dialog Global Reporter  
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03359187 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**CANADA: TRUCKING SERVICES MARKET (1)**

**U.S. and Foreign Commercial Service (US&FCS)**

INDUSTRY SECTOR ANALYSIS

September 30, 1998

JOURNAL CODE: FISA LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 5090

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... truckers may wish to pursue business opportunities. This report focuses on trucking services under the following Standard Industry Classification (SIC) Codes (there are no HS codes for trucking services):

4560        **Truck** Transport Industries  
4561        General Freight Trucking Industry  
4562        Used Goods Moving and Storage Industry  
4563...

12/3,K/13

DIALOG(R)File 20:Dialog Global Reporter  
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02988621

**Standard & Poor's Announces Changes In S&P Indexes**

BUSINESS WIRE

October 01, 1998

JOURNAL CODE: WBWE    LANGUAGE: English    RECORD TYPE: FULLTEXT

WORD COUNT: 785

... in Pittsburgh, will be added to the S&P MidCap 400 Computers (Networking) industry group. Following is a summary of the announced changes: S&P 500 INDEX --October 6, 1998 -----  
-----...  
-----

12/3,K/14

DIALOG(R)File 20:Dialog Global Reporter  
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02155395 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**The Atlanta Journal and Constitution Nora Carter Column**

Nora Carter

KRTBN KNIGHT-RIDDER TRIBUNE BUSINESS NEWS ( ATLANTA JOURNAL AND CONSTITUTION)

July 09, 1998 6:39

JOURNAL CODE: KAJC    LANGUAGE: English    RECORD TYPE: FULLTEXT

WORD COUNT: 376

...gained my confidence and respect because it requires its membership shops to adhere to a code of ethics.

I was looking at the group 's Internet Web site (<http://www.asashop.org>) and was amazed to see the kind...

12/3,K/15

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01929419 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**CA'S Unicenter TNG Supports Windows CE for Untethered Management of the Mobile Enterprise**

BUSINESS WIRE

June 15, 1998 12:34

JOURNAL CODE: WBWE    LANGUAGE: English    RECORD TYPE: FULLTEXT

WORD COUNT: 749

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... Microsoft and third parties, Unicenter TNG can also be used to manage large fleets of **vehicles** -- **tracking** location, determining **maintenance** schedules, collecting data on fuel consumption and mileage **records** , **monitoring** maximum speeds, etc. These management capabilities can be used to create additional revenue opportunities and...

Set	Items	Description
S1	3239038	AUTOMOBILE? ? OR AUTOMOTIVE OR AUTO? ? OR VEHICLE? ? OR CAR OR CARS OR TRUCK? ? OR PICKUP? ? OR FLEET
S2	191063	S1(3N)(REPAIR? OR SERVIC? OR FIX OR FIXES OR WORK OR BODYW- ORK OR MAINTENANCE OR REFURBISH OR OVERHAUL? ?)
S3	2153844	(BACK OR TIE OR HOLD OR HANG)()UP? ? OR SLOWDOWN? ? OR SLO- W()DOWN? ? OR CODE? ? OR INDEX OR IDENTIFIER? ?
S4	20117	S2(S)(S3 OR (DELAY? ? OR TIME OR WAIT OR CAUSE? ? OR REASO- N? ? OR SOURCE? ? OR ERROR? ? OR PROBLEM? ? OR HINDRANCE? ? OR IMPEDIMENT? ? OR INTERRUPTION? ? OR JAM OR BOTTLENECK? ? OR - BACKUP? ? OR TIEUP? ? OR HOLDUP? ? OR HANGUP? ?))
S5	9495405	ASSIGN? OR CATEGORIZ? OR CLASSIF? OR CODIF? OR INDEX? OR C- ATALOG? OR LABEL? OR GROUP? ? OR RECORD? ?
S6	1027	S4(10N)S5
S7	81	S6(10N)(TRACK??? OR FOLLOW??? OR EXAMIN??? OR MONITOR??? OR CHECK??? OR WATCH??? OR AUDIT??? OR OBSERV??? OR LOOK??? OR - VIEW??? OR (KEEP? OR KEPT)()TABS)
S8	33	S7(S)(ANALYS??? OR ANALYZ??? OR BENCHMARK??? OR EVALUAT??? OR EXAM? OR COMPAR??? OR INSPECT??? OR INVESTIGAT? OR REVIEW?- ?? OR STUDY??? OR STUDI?? OR SURVEY??? OR MEASUR???)
S9	33	RD (unique items)
S10	3	S9 NOT PY>2000
S11	80	RD S7 (unique items)
S12	15	S11 NOT PY>2000
S13	9952516	IDENTIF? OR DETECT? OR DETERMINE? OR FIND? OR DIAGNOS? OR - RECOGNIZE? OR ESTABLISH? OR PINPOINT? OR SPOT? OR PLACE OR FI- NGER
S14	1343	S4(10N)S13
S15	1714700	COMPUTERIZ? OR COMPUTERIS? OR ELECTRONIC? OR COMPUTER(1W)I- MPLEMENTED
S16	97	S14(S)S15
S17	97	RD (unique items)
S18	17	S17 NOT PY>2000
S19	17	S18 NOT S12

? show files

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**19/3,K/1**

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13173697

**Driving takes a back seat in the cars of tomorrow**

FRED TASKER

FINANCIAL POST, p15

October 06, 2000

JOURNAL CODE: FFP LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 310

... or less, there will be satellite radio, voice-activated Internet for headlines, sports, weather, traffic- **jam** avoidance and e-mail retrieval and remote **diagnosis** of impending engine **problems**. "This whole area is just exploding," says Mike Suarez, who trains installers for the new...

**19/3,K/2**

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12707860 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Delphi Previews Radical Vision for 'Garage of the Future' Five New Services to be Introduced Within Next Twelve Months**

PR NEWSWIRE

September 06, 2000

JOURNAL CODE: WPRW LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 821

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... with existing diagnostic specialists and will be available within twelve months. "This will considerably simplify **diagnostics** and save **time** when working on systems from headlamps to engine management," said Lall. "This is a key..."

**19/3,K/3**

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10558154

**GE Small Business Solutions to Launch National Program in Chicago**

PR NEWSWIRE

April 13, 2000

JOURNAL CODE: WPRW LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 419

... Magazine named the company as one of the most likely to revolutionize the golf industry. **TIME** : Tuesday, April 18, 5 p.m.-7 p.m.  
**PLACE** : Comiskey Park Upper Terrace Suites, Check-in at Gate 5, Window 6  
**ACTIVITIES**: Cocktails and...

**19/3,K/4**

DIALOG(R)File 20:Dialog Global Reporter  
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ECI 3600

Dialog Search

09698207 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Auto Newslane**

BUSINESSWORLD (PHILIPPINES), p21

February 23, 2000

JOURNAL CODE: FBWP LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 500

... electronically communicates with the vehicle's on-board computer and sensors. It instantly and accurately **diagnose** the vehicle and informs the technician if a **problem** exists.

**19/3,K/5**

DIALOG(R)File 20:Dialog Global Reporter

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09504500 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Volvo Repair Shop in Dallas Puts New Spin on Diversification**

Terry Box

KRTBN KNIGHT-RIDDER TRIBUNE BUSINESS NEWS (DALLAS MORNING NEWS - TEXAS)

February 09, 2000

JOURNAL CODE: KDMN LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 995

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... At the same time, cars are becoming so complex that technicians often need costly electronic **diagnostic** equipment to **repair** even older **vehicles** -- equipment that can cost \$25,000 or more. Moreover, many new-car dealerships have adjusted...

**19/3,K/6**

DIALOG(R)File 20:Dialog Global Reporter

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08784758 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**SPECIAL FEATURE: Motoring (A Yearend Report): Gradual sales recovery seen underway**

Iris M. Reyes

BUSINESSWORLD (PHILIPPINES), p26

December 20, 1999

JOURNAL CODE: FBWP LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 1386

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... There is no need to fret though. All the major manufacturers have millennium task forces **identifying** potential **problems** and creating fixes for computer systems involved in manufacturing, accounting, security systems and other operations...

**19/3,K/7**

DIALOG(R)File 20:Dialog Global Reporter

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04724563 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**WHAT CAR?: Marketing for the millennium**

M2 PRESSWIRE

JMB

Date: 28-Feb-05

ECI 3600

Dialog Search

March 22, 1999

JOURNAL CODE: WMPR LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 431

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... retail customer base within hours of the hammer falling. The What Car? brand is an **established** route for motorist to **source** the information they need to successfully purchase a car and What Car? online takes this...

19/3,K/8

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03038521

**InsideCentralFlorida.com -- Central Florida Starts Here**

BUSINESS WIRE

October 07, 1998

JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 713

...first to provide links to the best Web sites in the community. Here you'll **find** everything from local **automobile** dealerships and **repair** shops to area healthcare facilities and professionals, local restaurants and entertainment to travel agencies and...

... 000 home pages. The service has the leading usage pattern of all community sites as **determined** by average **time** per visit--and racks up more than 4 million hours of online usage monthly. Shopping...

19/3,K/9

DIALOG(R)File 20:Dialog Global Reporter

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02918904

**ALLDATA Provides Over 118,000 More Electronic Pages of Diagnostic & Repair Information in the 3rd Quarter 1998 Database Update**

PR NEWSWIRE

September 24, 1998

JOURNAL CODE: WPRW LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 548

... includes: A2Z(TM) Component Search -- With the new A2Z Component Search Tool, technicians can quickly **find** important component level **vehicle** **repair** detail. Rather than browsing through multiple sections of the database, technicians can simply click on...

... to see the smallest detail. ABS Diagnostic Procedures -- ALLDATA provides the most up-to-date **electronic** brake system **diagnostics**. Technical **Service** Bulletins from **Vehicle** Manufacturer -- Technicians can access the most up-to-date factory fixes available. When technicians look...

... diagrams, locations, and detailed automotive repair illustrations to help technicians fix vehicles right the first **time**. Fast Access to Parts & Labor Information -- Image Hot **Spots** provide the fastest, easiest way to identify the exact parts that repair shops need. Technicians...

JMB

Date: 28-Feb-05

... Plan (CSP) The ALLDATA CSP offers full, unlimited access to the industry's most complete **Electronic** Diagnostic and Repair Information Database at a single, low monthly subscription fee. For more information...

... free at 800-697-2533. About ALLDATA(R) Corporation ALLDATA is the leading provider of **Electronic Diagnostic** and Repair Information to the Professional **Automotive Service** Industry. ALLDATA's Database covers Comprehensive **Diagnostic & Repair Procedures** for over 20,000 engine-specific vehicles from 1982 to the present. Visit...

19/3,K/10

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02802837

**Allied Business Intelligence: In-Vehicle Navigation and Communications to be Next Multi-billion Dollar Market**

BUSINESS WIRE

September 14, 1998

JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 485

... Some markets are starting now, others will appear in a few years. ABI's report **pinpoints** the markets, when they will appear, their evolution over **time**, and the rise and demise of various technologies in what promises to be furious pace...

... in communications and emerging technology markets. ABI publishes strategic research on the broadband, wireless and **electronics** industries as well as findings on new technology-driven markets such as home automation, human...

19/3,K/11

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02679191 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Hunter Engineering Packages ALLDATA Diagnostic & Repair System with P411 Aligners**

PR NEWSWIRE

September 02, 1998

JOURNAL CODE: WPRW LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 495

... to several thousand automotive shops. The ALLDATA Undercar Product will help shop owners and technicians **diagnose** and repair undercar **problems** directly from their Hunter P411 Wheel Aligner consoles.

"Hunter is proud to offer the industry..."

19/3,K/12

DIALOG(R)File 20:Dialog Global Reporter  
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02076060

**Effects of Y2K Computer Problem Largely Unknown**

Patricia Horn

ECI 3600

Dialog Search

KRTBN KNIGHT-RIDDER TRIBUNE BUSINESS NEWS (SUN-SENTINEL, SOUTH FLORIDA)  
June 30, 1998 20:39  
JOURNAL CODE: KSSE LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 2330

... computer systems of fifteen model-years and upcoming models for date problems, it didn't find any except in dashboard clocks and stereos. So most cars should work come the millennium. Vehicles may be the least of car manufacturers' worries. General Motors is spending \$350 million to...

19/3,K/13

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02004625 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Car maintenance is the name of the game**

MAY CZARINA A. BAETIONG

BUSINESSWORLD (PHILIPPINES)

June 24, 1998

JOURNAL CODE: FBWP LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 688

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... dealership system in California, Mr. Aberilla said that through the computerization, the "guess work" in identifying vehicle problems will be eliminated.

With scanners examining the car, the computer will feed the information to...

19/3,K/14

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01997021 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Building (long) bridges to the land of loyalty**

WENDY CUTHBERT, FOR THE FINANCIAL POST

FINANCIAL POST

June 19, 1998

JOURNAL CODE: FFP LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 715

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... Tire, it's likely the dealer, with brand-specific computerized equipment, will be able to find and fix a problem in much less time, Gauthier says.

Some dealers have tried to address the pricing issue by introducing menu pricing...

19/3,K/15

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01443346 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Teltronics, Inc. Announces That General Motors is Testing the Mentis(tm)**

JMB

Date: 28-Feb-05

**System At Cadillac Dealerships**

BUSINESS WIRE

April 22, 1998 10:1

JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 480

... without using a keyboard or referring to manuals, can deliver dramatic productivity gains in technical **service** operations. In the **automotive** industry, the amount of information now required to **diagnose** service **problems** and repair today's highly sophisticated cars and trucks is mind-boggling. With MENTIS(tm...

... software solutions. Teltronics, Inc. is dedicated to excellence in the design, development and assembly of **electronics** equipment and applications software systems that enhance the performance of telecommunications networks. The Company manufactures...

... telephone companies effectively monitor and maintain their telecommunications systems. The Company also serves as an **electronic** contract manufacturing partner to customers nationwide. The Company's common stock trades on The Nasdaq...

19/3,K/16

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01253831 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**THE STATESMAN (INDIA): Virtual companies reality of future, says Price Waterhouse**

STATESMAN

March 26, 1998

JOURNAL CODE: FSTN LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 424

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... in automobiles may allow repair shops to diagnose problems via the Internet. \*\*\* Higher participation in " **electronic** communities"; the Internet, intranets and extranets where users share information on topics related to their...

19/3,K/17

DIALOG(R)File 20:Dialog Global Reporter

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01216468 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**Fleet Launches Internet Commerce Solution for Small Businesses: storefronts@fleet**

BUSINESS WIRE

March 23, 1998 13:30

JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT

WORD COUNT: 968

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... total solutions to our customers, based on the best-in-class technology partners that we **identify**," said Blaise Heltai, Director of **Fleet** 's Online Financial **Services** Group. **Fleet** made its announcement

ECI 3600

Dialog Search

today at the Internet Commerce Expo at the World Trade Center in...and over 2,400 ATMs, Fleet also provides 24-hour telephone banking as well as **electronic** banking services through the Fleet PC Banking Center.

CONTACT: Fleet Financial Group  
Jim Schepker, (general...

Set	Items	Description
S1	1329791	AUTOMOBILE? ? OR AUTOMOTIVE OR AUTO? ? OR VEHICLE? ? OR CAR OR CARS OR TRUCK? ? OR PICKUP? ? OR FLEET
S2	5824721	REPAIR? OR SERVIC? OR FIX OR FIXES OR WORK OR BODYWORK OR - MAINTENANCE OR REFURBISH OR OVERHAUL?
S3	5569059	TRACK??? OR FOLLOW??? OR EXAMIN??? OR MONITOR??? OR CHECK?- ?? OR WATCH??? OR AUDIT??? OR OBSERV??? OR LOOK??? OR VIEW??? OR (KEEP? OR KEPT)()TABS
S4	5362214	ANALYS??? OR ANALYZ??? OR BENCHMARK??? OR EVALUAT??? OR EX- AM? OR COMPAR??? OR INSPECT??? OR INVESTIGAT? OR REVIEW??? OR STUDY??? OR STUDI?? OR SURVEY??? OR MEASUR???
S5	4475708	IDENTIF? OR DETECT? OR DETERMINE? OR FIND? OR DIAGNOS? OR - RECOGNIZE? OR ESTABLISH? OR PINPOINT? OR SPOT? OR PLACE OR FI- NGER
S6	6515003	DELAY? ? OR TIME OR WAIT OR CAUSE? ? OR REASON? ? OR SOURC- E? ? OR ERROR? ? OR PROBLEM? ? OR HINDRANCE? ? OR IMPEDIMENT? ? OR INTERRUPTION? ? OR JAM OR BOTTLENECK? ? OR BACKUP? ? OR - TIEUP? ? OR HOLDUP? ? OR HANGUP? ?
S7	1070944	(BACK OR TIE OR HOLD OR HANG)()UP? ? OR SLOWDOWN? ? OR SLO- W()DOWN? ? OR CODE? ? OR INDEX OR IDENTIFIER? ?
S8	6828836	S6 OR S7
S9	4672340	ASSIGN? OR CATEGORIZ? OR CLASSIF? OR CODIF? OR INDEX? OR C- ATALOG? OR LABEL? OR GROUP? ? OR RECORD? ?
S10	98578	S1(3N)S2
S11	807797	S8(5N)(S4 OR S5)
S12	1699	S10(S)S11
S13	584	S10(10N)S11
S14	128	S13(S)S3
S15	16	S14(S)S9
S16	163	S13(S)(S3 OR S9)
S17	161	RD (unique items)
S18	83	S17 NOT PY>2000

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File 15:ABI/Inform(R) 1971-2005/Feb 28  
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File 610:Business Wire 1999-2005/Feb 28  
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File 613:PR Newswire 1999-2005/Feb 28  
(c) 2005 PR Newswire Association Inc

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18/3,K/1 (Item 1 from file: 15)  
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02516457 116351385

**A study of vehicle routing problems with load-balancing**

Lee, Tzong-Ru; Ueng, Ji-Hwa

International Journal of Physical Distribution & Logistics Management

v29n10 PP: 646-657 1999

ISSN: 0960-0035 JRNL CODE: IPD

WORD COUNT: 4348

...TEXT: of the model are explained.

Problem explanation and research hypothesis

Under the premise of single **service** station with multi- **vehicles** , we **study** vehicle routing **problems** with two objectives: the shortest travel path and the best load-balance between employees. What...

...each delivery. The size of the vehicle is not discussed in this paper; however, vehicle **records** for each delivery provide valuable information for adjustment of vehicle size. Our assumptions are as **follows** :

- Path and time relation. Linear relationship between vehicle travel time and distance.

- Objectives. Pursuing the...

18/3,K/2 (Item 2 from file: 15)  
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02088113 63309253

**You can't manage what you can't measure**

Luczak, Marybeth

Railway Age v201n10 PP: 45-49 Oct 2000

ISSN: 0033-8826 JRNL CODE: IRAA

WORD COUNT: 1993

...TEXT: detected, an alarm is sent via the Internet to the appropriate personnel, and a camera **records** the problem car's AEI tag information. Similarly, the **VIEW** Automated Vehicle Inspection system **monitors** wheel and brake performance. Since human inspection results can be subjective, this system employs cameras and lasers to analyze each wheel's cross-section and determine wear without taking **cars** out of **service** . The data collected will help schedule maintenance and **determine** what **causes** certain **problems** . "For **example** , if your brake shoes are in good shape, but you're not getting proper braking..."

18/3,K/5 (Item 5 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
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02001469 51353906

**Lift-truck maintenance: Attention now reduces expenses later**

Stampley, Melissa

Textile World v150n2 PP: 62-64 Feb 2000

ISSN: 0040-5213 JRNL CODE: TXW  
WORD COUNT: 1836

...TEXT: mill and perform a survey of the material-handling operation. Now is the time to **check** up on the cleanliness of the mill environment, including floor conditions and excessive temperatures which may affect a truck's performance. This is also a good **time** to **evaluate** an operator's handling and **maintenance** skills.

A **fleet** manager should confer with managers, supervisors and operators to perform an in-depth evaluation of maintenance and repair procedures and **records**. Administrative and procedure over-- sights should be taken care of immediately.

Once or twice a...

18/3,K/8 (Item 8 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
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01859021 05-10013  
**The bottom line on service quality: How to design a consistent experience**  
Sill, Brian  
Nation's Restaurant News v33n29 PP: 34, 94 Jul 19, 1999  
ISSN: 0028-0518 JRNL CODE: NRN  
WORD COUNT: 1229

...TEXT: in runner labor? If both guests and servers appear idle, start looking in the kitchen.

**Observe** and time how long food orders sit in the pickup window. Is the delivery delay the fault of slow **service pickup** or poor order timing by the cooks? **Measure** the completion **time** of each menu item. Are the cooks executing up to your standards? If not, you...

18/3,K/10 (Item 10 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
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01728147 03-79137  
**Spectrum analyzer apps**  
Fortna, Mike  
Wireless Review v15n17 PP: 48-53 Sep 1, 1998  
ISSN: 1097-3893 JRNL CODE: WLR  
WORD COUNT: 1078

...TEXT: unique sounds that can be readily identified to the trained ear.

Add Directional Antenna If **looking** and listening provide no definitive insights, you can use a spectrum analyzer coupled to a...

...an area cell site. A field engineer was dispatched immediately to locate the problem's **source**. Armed with a spectrum **analyzer** and directional antenna, the engineer drove a **service vehicle** around the affected cell, **monitoring** small changes in signal strength relative to antenna orientation. Using increases in signal amplitude to...

...quickly by cycling the power on the transmitter, which then began to

operate at its **assigned** frequency.  
Malfunctioning mobile phones are another common source of cell-site performance problems. These cases...

18/3,K/11 (Item 11 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)

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01722734 03-73724

**What you see is what you get!**

Deierlein, Bob

Fleet Equipment v24n10 PP: 41-44 Oct 1998

ISSN: 0747-2544 JRNL CODE: FEQ

WORD COUNT: 2674

...TEXT: He continues, "Some inspections are scary. One time, we jacked up the front end to **check** the end bearing play and found it had much too much. It turned out that, on the line, they were indeed **checking** the end play, but it was **checked** BEFORE the wheels were put on. During another inspection, we found a case where they...

...the right brand slacks on the front but another brand on the rear. No good **reason** was ever given."

Three-phased **inspection**

Bob Flesher, manager **Vehicle Design/ Fleet Maintenance** at Cleveland-based AGA Gas, conducts a three-step pilot, or customer, inspection. The first...

18/3,K/12 (Item 12 from file: 15)

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01716490 03-67480

**Agencies touched by Midas**

Jensen, Trevor; Dini, Justin

Adweek (Midwest Ed.) v39n41 PP: 6 Oct 12, 1998

ISSN: 0276-6612 JRNL CODE: ADW

WORD COUNT: 318

...TEXT: have led Midas to solicit agency credentials, a move that could lead to its second **review** in 14 months, **sources** said last week.

The Chicago-based **auto repair** chain has contacted a number of agencies in Chicago and New York for the creative...

...45 million account, sources said. One source expected a list of finalists to be culled, **followed** by presentations. Other sources indicated Midas was still considering its options.

A Midas representative said...

18/3,K/18 (Item 18 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)

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01500337 01-51325

**U.S. competitiveness and the secondary auto market**

Lee, Jim; Masters, Robert

Competitiveness Review v7n1 PP: 26-35 1997

ISSN: 1059-5422 JRNL CODE: CVRV

WORD COUNT: 3611

...TEXT: is available in the 1983 and 1988 issues with a one-year lag.

Another performance **measure** is the trouble **index** based on **repair** frequency on various **auto** components and body parts. To be consistent with price data, only the **index** for 5-year-old models was considered; for instance, the figure for a 1991 model...

...and reliability indices measure a model's short-term (one-year) performance, while the trouble **index** unveils its long-term (5-year) performance.

Until the 1993 issue, the Reports also contained...

**18/3,K/19 (Item 19 from file: 15)**

DIALOG(R)File 15:ABI/Inform(R)

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01488823 01-39811

**Freightliner introduces Enroute Road Repair module for Fleet Assistant software**

Anonymous

Fleet Equipment v23n8 PP: 72 Aug 1997

ISSN: 0747-2544 JRNL CODE: FEQ

WORD COUNT: 209

...TEXT: module. Secondary benefits include vehicle-tofleet communications to assure that critical freight is delivered on **time**, as well as capabilities for **analyzing** the frequency and cost of enroute **repairs**.

**Fleet** Assistant is a vehicle maintenance management system that schedules preventive maintenance, **tracks** parts and labor costs by repair order, and controls parts inventory. The system also analyzes...

**18/3,K/20 (Item 20 from file: 15)**

DIALOG(R)File 15:ABI/Inform(R)

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01402440 00053427

**Electronics key to maintaining massive fleet**

Anonymous

Construction Equipment v95n4 PP: 15 Apr 1997

ISSN: 0192-3978 JRNL CODE: COEQ

...ABSTRACT: of the equipment is Cat, and most of it has on-board electronic controls that **monitor** and **diagnose** when there is a **problem**. AWZ says this has been the key to maintaining the **fleet**. Day-to-day **maintenance** has been much easier using the electronic **monitoring**, diagnostics, and data recording systems on the equipment, according to Mike Monnot, AWZ's maintenance...

18/3,K/22 (Item 22 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
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01203813 98-53208  
**Computing increases competitiveness**  
Covey, Kathy; Leanoard, Wally  
Transmission & Distribution World v48n3 PP: 68-69 Mar 1996  
ISSN: 0041-1280 JRNL CODE: TMD  
WORD COUNT: 1417

...TEXT: mainframe-based information system wasn't helping us do either. Our existing system couldn't **pinpoint** for a customer the exact **time** a **repair truck** would arrive, which hurt our customer service focus. The mainframe system wasn't designed to...

...and hardware maintenance fees were increasing, and some of the hardware needed replacing. We were **looking** at a CDN\$3-million (US\$2.2 million) hardware upgrade.

Finally, management had enough...

18/3,K/25 (Item 25 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
(c) 2005 ProQuest Info&Learning. All rts. reserv.

01031962 96-81355  
**Cars get a mandate for onboard diagnostics**  
Gyorki, John R  
Machine Design v67n9 PP: 111-115 May 11, 1995  
ISSN: 0024-9114 JRNL CODE: MDS  
WORD COUNT: 1816

...TEXT: out a code, make a note of it, then look up the code in the **vehicle service** manual to **find** the **problem**.

Technicians are not required to use dedicated scan tools for diagnosing problems, although it may...

18/3,K/26 (Item 26 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
(c) 2005 ProQuest Info&Learning. All rts. reserv.

00968146 96-17539  
**When it's time for a change**  
Marshall, Lawson  
Fleet Equipment v21n1 PP: 24-27 Jan 1995  
ISSN: 0747-2544 JRNL CODE: FEQ  
WORD COUNT: 1452

...TEXT: Maintenance Control Management Systems program from Control Software, Inc., every vehicle will be individually **analyzed** to **determine** the best **time** to trade.

"We generate individual **maintenance** schedules for every **vehicle** in the fleet," Alderman said. "The schedules are determined by vehicle type, type of service..."

...locations are serviced by outside vendors. We provide them with maintenance schedules and painted PM **check** lists.

Darigold's shops do all the routine maintenance and PM required for the fleet...

**18/3,K/27 (Item 27 from file: 15)**

DIALOG(R)File 15:ABI/Inform(R)

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00960181 96-09574

**Benchmarking: Tough but worth the effort**

Deierlein, Bob

Fleet Equipment v20n12 PP: 54-56 Dec 1994

ISSN: 0747-2544 JRNL CODE: FEQ

WORD COUNT: 1450

...TEXT: your tractors and trailers? How many locations do you use for fleet maintenance? Are drivers **assigned** to vehicles? What are your equipment utilization factors (please provide the definition of what is included in the measure)? How do you **determine** the correct **time** period ( **time** -of-day and time out-of- **service** ) to perform **truck** **maintenance** ?

What factors do you consider when determining garage staffing? What is the average overtime your...

**18/3,K/29 (Item 29 from file: 15)**

DIALOG(R)File 15:ABI/Inform(R)

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00898120 95-47512

**Intra-group work patterns in final assembly of motor vehicles**

Engstrom, Tomas; Medbo, Lars

International Journal of Operations & Production Management v14n3 PP: 101-113 1994

ISSN: 0144-3577 JRNL CODE: IJO

WORD COUNT: 4578

...TEXT: used in the Toyota Production System[9].

In Figure 2 we have illustrated the intra- **group** work pattern finally used in the Uddevalla plant. This work pattern was derived by recombining...

...of the work pattern illustrated in Figure 3. (Figure 3 omitted) The times given are **observed** times required while times within brackets are the times required according to **time** -and-motion **studies** , so-called calculated standard **time** . In the Figure we have normalized the assembly work for complete **automobiles** to 100 per cent as the calculated standard time. The performance of the work **groups** was superior, by 14 per cent and 16 per cent respectively, to those calculated by...

...3 the manufacturing of the automobiles was divided into two separate parts within the work **group** , using a sideways transfer within the work **group** . This two-step assembly was the result of combining the original four assembly phases and the corresponding intra- **group** work pattern according to the requirement of the equipment needed to satisfy the ergonomics and...

18/3,K/40 (Item 40 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
(c) 2005 ProQuest Info&Learning. All rts. reserv.

00615684 92-30786  
**Truck Trends 1992: Fleet Findings**  
Deierlein, Bob  
Beverage World v111n1515 PP: 50-56 May 1992  
ISSN: 0098-2318 JRNL CODE: BEV  
WORD COUNT: 1550

...TEXT: leasing.

There are basically three types of leasing, running from a complete turnkey approach including **vehicles**, **maintenance** -only leases. What **follows** are some of the main **reasons** **study** respondents cited for selecting one form of leasing over another:

FULL-SERVICE LEASE:

\* "Don't...

18/3,K/41 (Item 41 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
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00615448 92-30551  
**VSATs Offer Automotive Industry Competitive Edge**  
Marek, Sue  
Satellite Communications v16n5 PP: 18-23 May 1992  
ISSN: 0147-7439 JRNL CODE: SAC  
WORD COUNT: 1673

...TEXT: a satellite linkup, the California dealership is able to instantly pull-up the warranty and **service records** on the **car**. The dealer **pinpoints** the **problem**, locates the necessary parts, and **fixes** the **car** within hours.

This is just one example of how VSAT technology allows the automotive industry...

18/3,K/46 (Item 46 from file: 15)  
DIALOG(R)File 15:ABI/Inform(R)  
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00427633 88-44466  
**Develop a Safer & Responsible Truck Operation**  
Baer, Robert J.  
Transportation & Distribution v29n11 PP: 45-46 Oct 1988  
ISSN: 0194-603X JRNL CODE: HLS

...ABSTRACT: safety department often is recognized as a potential money-saver by helping avoid claims and **identifying problem** areas. Since **vehicle maintenance** is one of the easiest safety aspects to **monitor**, conscientious fleet operators schedule regular inspections. People remain the key to safety, and proper recruitment...

**18/3,K/65 (Item 4 from file: 613)**

DIALOG(R)File 613:PR Newswire

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00240869 20000105NYW011 (USE FORMAT 7 FOR FULLTEXT)

**Clifford Electronics And Infomove Develop Web-Driven Automotive Security And Information Products And Services**

PR Newswire

Wednesday, January 5, 2000 09:30 EST

JOURNAL CODE: PR LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT

DOCUMENT TYPE: NEWSWIRE

WORD COUNT: 452

...time personalized, and geo-located traffic updates  
-- Turn-by-turn, location based driving instructions  
-- Real- time vehicle monitoring , diagnostic , maintenance alerts and  
historical information  
-- Profiled location-based advertising  
-- E-mail  
-- Stocks, weather, news, city guides...

**18/3,K/66 (Item 5 from file: 613)**

DIALOG(R)File 613:PR Newswire

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00165118 19990818NYW031 (USE FORMAT 7 FOR FULLTEXT)

**CSK Auto, Inc. to Acquire Automotive Information Systems**

PR Newswire

Wednesday, August 18, 1999 08:00 EDT

JOURNAL CODE: PR LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT

DOCUMENT TYPE: NEWSWIRE

WORD COUNT: 806

...shops who rely on AIS to provide them with the information resources they need to **diagnose problems** and **repair cars** quickly and efficiently. CSK is committed to supporting AIS's existing customer base while helping...

**18/3,K/69 (Item 1 from file: 813)**

DIALOG(R)File 813:PR Newswire

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1452278

NEF001

**Customers Embrace Prophet 21's(R) Web-Based Customer Service and Support**

DATE: April 9, 1999 08:30 EDT WORD COUNT: 1,270

... Auto Electric customer service requests were handled via the web. An example of how Pitt **Auto** utilizes this **service** includes the **diagnosis** of a **problem** involving a custom modification to invoice terms. Posting the problem on the web was routine...

... of displays that contained the information needed by Prophet 21. The Prophet 21 Support Associate **assigned** to the case got immediate notification when the information was posted. Instead of multiple telephone ...



18/3,K/77 (Item 9 from file: 813)  
DIALOG(R)File 813:PR Newswire  
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0692678 DE003  
MOTORISTS WANT VEHICLES FIXED RIGHT THE FIRST TIME, FOLLOW-UP

DATE: April 11, 1994 09:10 EDT WORD COUNT: 428

...Inc. of  
Glendale, CA.

89.5 percent of respondents in the survey ranked having their  
vehicles repaired right the first time as most important in  
evaluating  
the service departments of automobile dealerships. Understanding the  
vehicle's problem, follow -up to ensure satisfaction with the repair and  
availability of appointments were ranked as the...

18/TI/1 (Item 1 from file: 15)

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A study of vehicle routing problems with load-balancing

18/TI/2 (Item 2 from file: 15)

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You can't manage what you can't measure

18/TI/3 (Item 3 from file: 15)

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What's holding up Acela?

18/TI/4 (Item 4 from file: 15)

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Small hauler strategies

18/TI/5 (Item 5 from file: 15)

DIALOG(R)File 15:(c) 2005 ProQuest Info&Learning. All rts. reserv.

Lift-truck maintenance: Attention now reduces expenses later

18/TI/6 (Item 6 from file: 15)

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Managers can lower costs with after-market products and services--but they have to do their homework first

18/TI/7 (Item 7 from file: 15)

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Employee exposure to diesel exhaust in the electric utility industry

18/TI/8 (Item 8 from file: 15)

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The bottom line on service quality: How to design a consistent experience

18/TI/9 (Item 9 from file: 15)

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Midas may shift ad account, again

18/TI/10 (Item 10 from file: 15)

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Spectrum analyzer apps

18/TI/11 (Item 11 from file: 15)  
DIALOG(R)File 15:(c) 2005 ProQuest Info&Learning. All rts. reserv.

What you see is what you get!

18/TI/12 (Item 12 from file: 15)  
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Agencies touched by Midas

18/TI/13 (Item 13 from file: 15)  
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Customized data simplifies lease vs. own decision

18/TI/14 (Item 14 from file: 15)  
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Federal e-mail management: A records manager's view of Armstrong v.  
Executive Office of the President and its aftermath

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Employees exposed to lead in Washington State nonconstruction workplaces: A  
starting point for hazard surveillance

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Boston rebuilds its regional rail system

18/TI/17 (Item 17 from file: 15)  
DIALOG(R)File 15:(c) 2005 ProQuest Info&Learning. All rts. reserv.

Million mile tires? Dutch Johnson says, "Maybe!"

18/TI/18 (Item 18 from file: 15)  
DIALOG(R)File 15:(c) 2005 ProQuest Info&Learning. All rts. reserv.

U.S. competitiveness and the secondary auto market

18/TI/19 (Item 19 from file: 15)  
DIALOG(R)File 15:(c) 2005 ProQuest Info&Learning. All rts. reserv.

Freightliner introduces Enroute Road Repair module for Fleet Assistant  
software

18/TI/20 (Item 20 from file: 15)  
DIALOG(R)File 15:(c) 2005 ProQuest Info&Learning. All rts. reserv.

**Electronics key to maintaining massive fleet**

18/TI/21 (Item 21 from file: 15)  
DIALOG(R)File 15:(c) 2005 ProQuest Info&Learning. All rts. reserv.

**Piecing together a purchasing program**

18/TI/22 (Item 22 from file: 15)  
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**Computing increases competitiveness**

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**Cars get a mandate for onboard diagnostics**

18/TI/26 (Item 26 from file: 15)  
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**When it's time for a change**

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**Benchmarking: Tough but worth the effort**

18/TI/28 (Item 28 from file: 15)  
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**The turbo-charged Calibra**

18/TI/29 (Item 29 from file: 15)  
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**Intra-group work patterns in final assembly of motor vehicles**

18/TI/30 (Item 30 from file: 15)  
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Index highlights growth in intermodal

18/TI/31 (Item 31 from file: 15)  
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Double-stack wheel wear tests

18/TI/32 (Item 32 from file: 15)  
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Establishing a truly valuable help desk

18/TI/33 (Item 33 from file: 15)  
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Heavy trucking industry doing better than nation

18/TI/34 (Item 34 from file: 15)  
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Intermodal fights perception gap

18/TI/35 (Item 35 from file: 15)  
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The Impact of Quality of Work Life Programs and Grievance System  
Effectiveness on Union Commitment

18/TI/36 (Item 36 from file: 15)  
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Use of valet parking services can adversely affect personal auto coverage

18/TI/37 (Item 37 from file: 15)  
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Rough ride at Rolls-Royce

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Lean manufacturing: Understanding a new manufacturing system

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State governments' growing gains from TQM

18/TI/40 (Item 40 from file: 15)

ECI 3600

Dialog Search

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**Truck Trends 1992: Fleet Findings**

18/TI/41 (Item 41 from file: 15)

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**VSATs Offer Automotive Industry Competitive Edge**

18/TI/42 (Item 42 from file: 15)

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**New Lift Trucks Do Everything but Drive Themselves**

18/TI/43 (Item 43 from file: 15)

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18/TI/44 (Item 44 from file: 15)

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**A Stochastic and Dynamic Vehicle Routing Problem in the Euclidean Plane**

18/TI/45 (Item 45 from file: 15)

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18/TI/46 (Item 46 from file: 15)

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**Develop a Safer & Responsible Truck Operation**

18/TI/47 (Item 47 from file: 15)

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**Randarbeiten auf Baustellen koennen genau erfasst werden (It Is Possible to Accurately Record Fringe Activities on Building Sites)**

18/TI/48 (Item 1 from file: 610)

DIALOG(R)File 610:(c) 2005 Business Wire. All rts. reserv.

**A New Year and New Laws; A Guide to State Laws in Effect Jan. 1**

18/TI/49 (Item 2 from file: 610)

DIALOG(R)File 610:(c) 2005 Business Wire. All rts. reserv.

**Syscan Licences Bar Code Data Systems Of Australia To Resell MIR-RT Fleet Maintenance Software**

JMB

Date: 28-Feb-05

18/TI/50 (Item 3 from file: 610)

DIALOG(R)File 610:(c) 2005 Business Wire. All rts. reserv.

**InfoMove Teams With InfoSpace To Deliver Location-Based Wireless Internet Services in Automobiles**

18/TI/51 (Item 4 from file: 610)

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**InfoMove Secures \$5.5 Million in Second Round of Funding; Infusion of Capital Includes Who's Who List of Strategic Corporate and Individual Investors**

18/TI/52 (Item 5 from file: 610)

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**InfoMove Partners With Casio To Deliver Location-based Wireless Internet Applications to Drivers**

18/TI/53 (Item 6 from file: 610)

DIALOG(R)File 610:(c) 2005 Business Wire. All rts. reserv.

**InfoMove and Integrated Data Communications Sign Strategic Partnership; InfoMove's Mobile Content Applications to be Delivered Via IDC's Location Technology**

18/TI/54 (Item 7 from file: 610)

DIALOG(R)File 610:(c) 2005 Business Wire. All rts. reserv.

**InfoMove Partners with Clifford Electronics To Deliver Groundbreaking Internet-enabled Information and Security System**

18/TI/55 (Item 8 from file: 610)

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**InfoMove Delivers New Generation of Wireless Internet Services for the Car**

18/TI/56 (Item 9 from file: 610)

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**Southern LINC to Launch Wireless Data and Internet Services; Informance Solutions to Enhance Productivity of Businesses Across Industries**

18/TI/57 (Item 1 from file: 810)

DIALOG(R)File 810:(c) 1999 Business Wire . All rts. reserv.

**Microsoft Ships SQL Server Family of Products for Windows NT Platform Provides Key Building Blocks for Corporate Client-server Solutions**

18/TI/58 (Item 2 from file: 810)

DIALOG(R)File 810:(c) 1999 Business Wire . All rts. reserv.

**Reynolds & Reynolds, Mazda Motor America develop service department system**

18/TI/59 (Item 1 from file: 476)  
DIALOG(R)File 476:(c) 2005 Financial Times Ltd. All rts. reserv.

**International Company News: Fox deal challenges the US establishment -  
Reuters may gain significant revenue from the link**

18/TI/60 (Item 2 from file: 476)  
DIALOG(R)File 476:(c) 2005 Financial Times Ltd. All rts. reserv.

**Contracts: Building Massive Car Body Press / ASEA Metallurgy**

18/TI/61 (Item 3 from file: 476)  
DIALOG(R)File 476:(c) 2005 Financial Times Ltd. All rts. reserv.

**Mercedes Cars Please US Owners Most / J D Power customer satisfaction index**

18/TI/62 (Item 1 from file: 613)  
DIALOG(R)File 613:(c) 2005 PR Newswire Association Inc. All rts. reserv.

**Automakers Call on Congress to Avoid Passing Defective Legislation**

18/TI/63 (Item 2 from file: 613)  
DIALOG(R)File 613:(c) 2005 PR Newswire Association Inc. All rts. reserv.

**Bestoffer.Com Leads Online Used Car Market with 3,000 Mobile Vehicle  
Inspections**

18/TI/64 (Item 3 from file: 613)  
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**Gentex Rearview Mirror to Serve As Driver Interface for Onstar(R) System**

18/TI/65 (Item 4 from file: 613)  
DIALOG(R)File 613:(c) 2005 PR Newswire Association Inc. All rts. reserv.

**Clifford Electronics And Infomove Develop Web-Driven Automotive Security  
And Information Products And Services**

18/TI/66 (Item 5 from file: 613)  
DIALOG(R)File 613:(c) 2005 PR Newswire Association Inc. All rts. reserv.

**CSK Auto, Inc. to Acquire Automotive Information Systems**

18/TI/67 (Item 6 from file: 613)  
DIALOG(R)File 613:(c) 2005 PR Newswire Association Inc. All rts. reserv.

**DCA/BAR Revokes Registration for Company-Owned Econo Lube N' Tunes**



18/TI/68 (Item 7 from file: 613)  
DIALOG(R)File 613:(c) 2005 PR Newswire Association Inc. All rts. reserv.

S&P Assigns Pacer International 'B+' Corporate Credit Rating

18/TI/69 (Item 1 from file: 813)  
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Customers Embrace Prophet 21's(R) Web-Based Customer Service and Support

18/TI/70 (Item 2 from file: 813)  
DIALOG(R)File 813:(c) 1999 PR Newswire Association Inc. All rts. reserv.

Olympus Chemistry Immuno Systems Available to HSCA Members

18/TI/71 (Item 3 from file: 813)  
DIALOG(R)File 813:(c) 1999 PR Newswire Association Inc. All rts. reserv.

Perceptics Corporation Wins Customs Service Contract For Automated Vehicle License Plate Recognition

18/TI/72 (Item 4 from file: 813)  
DIALOG(R)File 813:(c) 1999 PR Newswire Association Inc. All rts. reserv.

In SFM094, "Dynamometer Testing Starts in State's Smoggiest Areas - Department of Consumer Affairs Bureau of Automotive Repair" moved yesterday, June 1, we are advised by the company that the first graph should read:

18/TI/73 (Item 5 from file: 813)  
DIALOG(R)File 813:(c) 1999 PR Newswire Association Inc. All rts. reserv.

Dynamometer Testing Starts in State's Smoggiest Areas - Department of Consumer Affairs Bureau of Automotive Repair

18/TI/74 (Item 6 from file: 813)  
DIALOG(R)File 813:(c) 1999 PR Newswire Association Inc. All rts. reserv.

CA Dept. of Consumer Affairs: Three L.A. Smog Check Shops Closed for Fraud

18/TI/75 (Item 7 from file: 813)  
DIALOG(R)File 813:(c) 1999 PR Newswire Association Inc. All rts. reserv.

EXAMINER RECOMMENDS ADOPTION OF SEPTA PROPOSED CAPITAL BUDGET; URGES RESTORATION OF FUNDS FOR MAJOR VEHICLE OVERHAUL PROGRAM

18/TI/76 (Item 8 from file: 813)  
DIALOG(R)File 813:(c) 1999 PR Newswire Association Inc. All rts. reserv.

METROLINK TO UNVEIL EIGHT NEW BULLET-NOSED AERODYNAMIC LOCOMOTIVES

18/II/77 (Item 9 from file: 813)  
DIALOG(R)File 813:(c) 1999 PR Newswire Association Inc. All rts. reserv.

MOTORISTS WANT VEHICLES FIXED RIGHT THE FIRST TIME, FOLLOW-UP

18/II/78 (Item 10 from file: 813)  
DIALOG(R)File 813:(c) 1999 PR Newswire Association Inc. All rts. reserv.

NISSAN COMPACT PICKUP CAPTURES TOP SPOT IN ITS CLASS IN SATISFACTION STUDY

18/II/79 (Item 11 from file: 813)  
DIALOG(R)File 813:(c) 1999 PR Newswire Association Inc. All rts. reserv.

RYDER SYSTEM EARNINGS WILL BE LOWER IN SECOND QUARTER, CHAIRMAN TELLS  
MANAGEMENT GROUP

18/II/80 (Item 1 from file: 634)  
DIALOG(R)File 634:(c) 2005 San Jose Mercury News. All rts. reserv.

EX-CLEVELAND PITCHER MIKE GARCIA DIES

18/II/81 (Item 1 from file: 624)  
DIALOG(R)File 624:(c) 2005 McGraw-Hill Co. Inc. All rts. reserv.

WAYFARER AVIATION/Aviation Research Group/U.S., Inc.

18/II/82 (Item 2 from file: 624)  
DIALOG(R)File 624:(c) 2005 McGraw-Hill Co. Inc. All rts. reserv.

Fueled by competition, fleet managers steer over non-traditional roads

18/II/83 (Item 3 from file: 624)  
DIALOG(R)File 624:(c) 2005 McGraw-Hill Co. Inc. All rts. reserv.

NTSB Calls For Increased Surveillance Of Airline Maintenance

Set	Items	Description
S1	1329791	AUTOMOBILE? ? OR AUTOMOTIVE OR AUTO? ? OR VEHICLE? ? OR CAR OR CARS OR TRUCK? ? OR PICKUP? ? OR FLEET
S2	5824721	REPAIR? OR SERVIC? OR FIX OR FIXES OR WORK OR BODYWORK OR - MAINTENANCE OR REFURBISH OR OVERHAUL?
S3	5569059	TRACK??? OR FOLLOW??? OR EXAMIN??? OR MONITOR??? OR CHECK?- ?? OR WATCH??? OR AUDIT??? OR OBSERV??? OR LOOK??? OR VIEW??? OR (KEEP? OR KEPT) () TABS
S4	5362214	ANALYS??? OR ANALYZ??? OR BENCHMARK??? OR EVALUAT??? OR EX- AM? OR COMPAR??? OR INSPECT??? OR INVESTIGAT? OR REVIEW??? OR STUDY??? OR STUDI?? OR SURVEY??? OR MEASUR???
S5	4475708	IDENTIF? OR DETECT? OR DETERMINE? OR FIND? OR DIAGNOS? OR - RECOGNIZE? OR ESTABLISH? OR PINPOINT? OR SPOT? OR PLACE OR FI- NGER
S6	6515003	DELAY? ? OR TIME OR WAIT OR CAUSE? ? OR REASON? ? OR SOURC- E? ? OR ERROR? ? OR PROBLEM? ? OR HINDRANCE? ? OR IMPEDIMENT? ? OR INTERRUPTION? ? OR JAM OR BOTTLENECK? ? OR BACKUP? ? OR - TIEUP? ? OR HOLDUP? ? OR HANGUP? ?
S7	1070944	(BACK OR TIE OR HOLD OR HANG) () UP? ? OR SLOWDOWN? ? OR SLO- W() DOWN? ? OR CODE? ? OR INDEX OR IDENTIFIER? ?
S8	6828836	S6 OR S7
S9	4672340	ASSIGN? OR CATEGORIZ? OR CLASSIF? OR CODIF? OR INDEX? OR C- ATALOG? OR LABEL? OR GROUP? ? OR RECORD? ?
S10	98578	S1(3N)S2
S11	807797	S8(5N)(S4 OR S5)
S12	1699	S10(S)S11
S13	584	S10(10N)S11
S14	128	S13(S)S3
S15	16	S14(S)S9
S16	163	S13(S)(S3 OR S9)
S17	161	RD (unique items)
S18	83	S17 NOT PY>2000
S19	429535	S8(5N)S5
S20	989	S19(S)S10
S21	367	S19(10N)S10
S22	252	S19(5N)S10
S23	28388	S19(10N)S9
S24	12	S23(10N)S10
S25	6	S24 NOT S18

? show files

File 15:ABI/Inform(R) 1971-2005/Feb 28  
(c) 2005 ProQuest Info&Learning

File 610:Business Wire 1999-2005/Feb 28  
(c) 2005 Business Wire.

File 810:Business Wire 1986-1999/Feb 28  
(c) 1999 Business Wire

File 476:Financial Times Fulltext 1982-2005/Feb 28  
(c) 2005 Financial Times Ltd

File 613:PR Newswire 1999-2005/Feb 28  
(c) 2005 PR Newswire Association Inc

File 813:PR Newswire 1987-1999/Apr 30  
(c) 1999 PR Newswire Association Inc

File 634:San Jose Mercury Jun 1985-2005/Feb 26  
(c) 2005 San Jose Mercury News

File 624:McGraw-Hill Publications 1985-2005/Feb 28  
(c) 2005 McGraw-Hill Co. Inc

25/3,K/1 (Item 1 from file: 610)

DIALOG(R)File 610:Business Wire

(c) 2005 Business Wire. All rts. reserv.

00846042 20030203034B8144 (USE FORMAT 7 FOR FULLTEXT)

**Auto Data Network Completes Acquisition of the UK's Leading Auto Parts Software Supplier; ADN Adds Profitable Software and Extensive Sales Network to Orbit Platform**

Business Wire

Monday, February 3, 2003 10:46 EST

JOURNAL CODE: BW LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT

DOCUMENT TYPE: NEWSWIRE

WORD COUNT: 372

...the Company's run rate and create further growth opportunities."

Auto Data Network comprises a **group** of **established** companies providing real- **time** data and transactional network **services** to **automotive** manufacturers, retailers and consumers enabling industry-wide information collection, communication and revenue generation. This process...

25/3,K/2 (Item 2 from file: 610)

DIALOG(R)File 610:Business Wire

(c) 2005 Business Wire. All rts. reserv.

00846027 20030203034B8129 (USE FORMAT 7 FOR FULLTEXT)

**Auto Data Network Acquires Automatrix; Innovative Software to Aid Dealer Car Sales and Orbit Platform**

Business Wire

Monday, February 3, 2003 10:36 EST

JOURNAL CODE: BW LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT

DOCUMENT TYPE: NEWSWIRE

WORD COUNT: 445

...dealer sales support package and offers considerable synergistic benefits and revenue opportunities across the ADN **group** ."

Auto Data Network comprises a **group** of **established** companies providing real- **time** data and transactional network **services** to **automotive** manufacturers, retailers and consumers enabling industry-wide information collection, communication and revenue generation. This process...

25/3,K/3 (Item 3 from file: 610)

DIALOG(R)File 610:Business Wire

(c) 2005 Business Wire. All rts. reserv.

00846013 20030203034B8115 (USE FORMAT 7 FOR FULLTEXT)

**Auto Data Network Third Quarter Results**

Business Wire

Monday, February 3, 2003 10:25 EST

JOURNAL CODE: BW LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT

DOCUMENT TYPE: NEWSWIRE

WORD COUNT: 519

...further improve revenues and

earnings in the coming year."

Auto Data Network ADN comprises a **group of established** companies providing **real-time** data and transactional network **services to automotive** manufacturers, retailers and consumers enabling industry-wide information collection, communication and revenue generation. This process...

**25/3,K/4 (Item 1 from file: 613)**

DIALOG(R)File 613:PR Newswire

(c) 2005 PR Newswire Association Inc. All rts. reserv.

01112100 20040212NYTH135 (USE FORMAT 7 FOR FULLTEXT)

**Staten Island Students Win Opportunity to Represent New York**

PR Newswire

Thursday, February 12, 2004 11:38 EST

JOURNAL CODE: PR LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT

DOCUMENT TYPE: NEWSWIRE

WORD COUNT: 540

TEXT:

...were among 12 two-person teams from across the metro area that spent the morning **identifying** and fixing **problems** on their **assigned cars**.

Using a **repair** order with actual customer complaints, the student teams must

diagnose and repair the problem within...

**25/3,K/5 (Item 2 from file: 613)**

DIALOG(R)File 613:PR Newswire

(c) 2005 PR Newswire Association Inc. All rts. reserv.

00734725 20020318LAM104 (USE FORMAT 7 FOR FULLTEXT)

**Hyundai Launches Nationwide Training Program**

PR Newswire

Monday, March 18, 2002 14:59 EST

JOURNAL CODE: PR LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT

DOCUMENT TYPE: NEWSWIRE

WORD COUNT: 553

...Hyundai Service Index

(HSI), a database of surveys from customers who have recently had their **car**

**serviced**. Using the **index**, dealers can **identify** trends, run reports and track

cumulative customer service scores down to individual dealership employees.

The...

**25/3,K/6 (Item 1 from file: 813)**

DIALOG(R)File 813:PR Newswire

(c) 1999 PR Newswire Association Inc. All rts. reserv.

1125546

DCW013

**Carfax Joins with NHTSA to Help Promote Auto Safety Hotline**

DATE: July 16, 1997

10:35 EDT

WORD COUNT: 171

... Inc., ([www.carfaxreport.com](http://www.carfaxreport.com)) located in Fairfax, Va., is the nation's largest supplier of **vehicle** history **services**. With over 400 million **records** on more than 190 million vehicles, Carfax can help **identify** "hidden **problems** " in a vehicle's history that may affect its value and performance.

Carfax recently has...

Set	Items	Description
S1	3769683	AUTOMOBILE? ? OR AUTOMOTIVE OR AUTO? ? OR VEHICLE? ? OR CAR OR CARS OR TRUCK? ? OR PICKUP? ? OR FLEET
S2	17356672	REPAIR? OR SERVIC? OR FIX OR FIXES OR WORK OR BODYWORK OR - MAINTENANCE OR REFURBISH OR OVERHAUL?
S3	13265776	TRACK??? OR FOLLOW??? OR EXAMIN??? OR MONITOR??? OR CHECK?- ?? OR WATCH??? OR AUDIT??? OR OBSERV??? OR LOOK??? OR VIEW??? OR (KEEP? OR KEPT)()TABS
S4	13421931	ANALYS??? OR ANALYZ??? OR BENCHMARK??? OR EVALUAT??? OR EX- AM? OR COMPAR??? OR INSPECT??? OR INVESTIGAT? OR REVIEW??? OR STUDY??? OR STUDI?? OR SURVEY??? OR MEASUR???
S5	10515313	IDENTIF? OR DETECT? OR DETERMINE? OR FIND? OR DIAGNOS? OR - RECOGNIZE? OR ESTABLISH? OR PINPOINT? OR SPOT? OR PLACE OR FI- NGER
S6	285609	S1(3N)S2
S7	2305982	(BACK OR TIE OR HOLD OR HANG)()UP? ? OR SLOWDOWN? ? OR SLO- W()DOWN? ? OR CODE? ? OR INDEX OR IDENTIFIER? ?
S8	920657	S5(5N)(S7 OR (DELAY? ? OR TIME OR WAIT OR CAUSE? ? OR REAS- ON? ? OR SOURCE? ? OR ERROR? ? OR PROBLEM? ? OR HINDRANCE? ? - OR IMPEDIMENT? ? OR INTERRUPTION? ? OR JAM OR BOTTLENECK? ? OR BACKUP? ? OR TIEUP? ? OR HOLDUP? ? OR HANGUP? ?))
S9	1942	S8(S)S6
S10	823	S8(10N)S6
S11	298	S10(S)(S3 OR S4)
S12	43	S11(S)(ASSIGN? OR CATEGORIZ? OR CLASSIF? OR CODIF? OR INDE- X? OR CATALOG? OR LABEL? OR GROUP? ? OR RECORD? ?)
S13	31	RD (unique items)
S14	21	S13 NOT PY>2000

? show files

File 9:Business & Industry(R) Jul/1994-2005/Feb 25  
(c) 2005 The Gale Group

File 275:Gale Group Computer DB(TM) 1983-2005/Feb 28  
(c) 2005 The Gale Group

File 621:Gale Group New Prod.Annou.(R) 1985-2005/Feb 28  
(c) 2005 The Gale Group

File 636:Gale Group Newsletter DB(TM) 1987-2005/Feb 28  
(c) 2005 The Gale Group

File 16:Gale Group PROMT(R) 1990-2005/Feb 28  
(c) 2005 The Gale Group

File 160:Gale Group PROMT(R) 1972-1989  
(c) 1999 The Gale Group

File 148:Gale Group Trade & Industry DB 1976-2005/Feb 28  
(c)2005 The Gale Group

14/3,K/1 (Item 1 from file: 9)  
DIALOG(R)File 9:Business & Industry(R)  
(c) 2005 The Gale Group. All rts. reserv.

1655474 Supplier Number: 01655474 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**Geotek Communications Inc**  
(Geotek Communications introduces Frequency Hopping Multiple Access digital  
wireless network in Orlando, FL)  
RCR Radio Communications Report, v 15, n 44, p 40  
November 04, 1996  
DOCUMENT TYPE: Journal ISSN: 0744-0618 (United States)  
LANGUAGE: English RECORD TYPE: Fulltext  
WORD COUNT: 80

(USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:

...to stay in touch with fleet dispatchers through a Windows-based personal computer. Dispatchers can **monitor** fleet progress, send **assignment** changes, **pinpoint** work flow and **fleet** dispatch **problems** and print performance reports. Geotek also has networks in New York, Boston, Philadelphia, Washington D...

14/3,K/2 (Item 1 from file: 275)  
DIALOG(R)File 275:Gale Group Computer DB(TM)  
(c) 2005 The Gale Group. All rts. reserv.

01840229 SUPPLIER NUMBER: 17410153 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Use bar codes to automate data entry in VB apps. (Visual Basic) (Visual Basic Expert) (Tutorial)**  
Murdoch, John  
Data Based Advisor, v13, n6, p128(5)  
July, 1995  
DOCUMENT TYPE: Tutorial ISSN: 0740-5200 LANGUAGE: English  
RECORD TYPE: Fulltext; Abstract  
WORD COUNT: 3788 LINE COUNT: 00309

... rental companies do this.)

There's a critical question to ask right here: Should your **labels** contain information? I'm presently having something of a tussle with a not-very-swift...

...used internally to identify items that your users are working with, then use the bar **code** as a unique **identifier**.

The **example** of **vehicle fleet maintenance** is perfect. Every **car** sold in North America has a unique Vehicle Identification Number (VIN)--it identifies the manufacturer...

14/3,K/3 (Item 1 from file: 636)  
DIALOG(R)File 636:Gale Group Newsletter DB(TM)  
(c) 2005 The Gale Group. All rts. reserv.

03316313 Supplier Number: 46814398 (USE FORMAT 7 FOR FULLTEXT)  
**TERRESTRIAL: GEOTEK COMMUNICATIONS**  
Mobile Communications Report, v10, n21, pN/A  
Oct 21, 1996  
Language: English Record Type: Fulltext  
Document Type: Newsletter; Trade



Word Count: 36

(USE FORMAT 7 FOR FULLTEXT)

## TEXT:

Geotek Communications introduced what it said is nation's first integrated Windows-based mobile **fleet** management **service**. With **service**, businesses can **track vehicles**, **assign** jobs, **track** job status and **pinpoint problem** areas, Geotek Pres.-CEO Jonathan Crane said.

14/3,K/4 (Item 2 from file: 636)

DIALOG(R)File 636:Gale Group Newsletter DB(TM)

(c) 2005 The Gale Group. All rts. reserv.

03307066 Supplier Number: 46792224 (USE FORMAT 7 FOR FULLTEXT)

**TELEPHONY - Geotek Communications**

Communications Daily, v16, n199, pN/A

Oct 11, 1996

Language: English Record Type: Fulltext

Document Type: Newsletter; Trade

Word Count: 36

(USE FORMAT 7 FOR FULLTEXT)

## TEXT:

Geotek Communications introduced what it said is nation's first integrated Windows-based mobile **fleet** management **service**. With **service**, businesses can **track vehicles**, **assign** jobs, **track** job status and **pinpoint problem** areas, Geotek Pres.-CEO Jonathan Crane said.

14/3,K/5 (Item 3 from file: 636)

DIALOG(R)File 636:Gale Group Newsletter DB(TM)

(c) 2005 The Gale Group. All rts. reserv.

02885352 Supplier Number: 45858388 (USE FORMAT 7 FOR FULLTEXT)

**Daishin Maintains Strong Footholds in Stock, Bond Trading**

Korea Economic Daily, pN/A

Oct 14, 1995

Language: English Record Type: Fulltext

Document Type: Newsletter; Trade

Word Count: 386

... service steadily escalated. On March 2, 1995 Daishin Hotline was expanded with the implementation of **Auto Response Service** (ARS). Furthermore, Daishin conducted extensive research to **establish** a Customer Satisfaction **Index** (CSI). Responding to the results of the **survey**, the company installed new systems such as Customer Voice and Customer Mail Box services.

As...

14/3,K/6 (Item 4 from file: 636)

DIALOG(R)File 636:Gale Group Newsletter DB(TM)

(c) 2005 The Gale Group. All rts. reserv.

02256214 Supplier Number: 44320415 (USE FORMAT 7 FOR FULLTEXT)

**Workforce: SINGLE, CHILDLESS WORKERS OF THE WORLD UNITE!**

Work &amp; Family Newsbrief, pN/A

Jan, 1994

Language: English Record Type: Fulltext

Document Type: Newsletter; Trade  
Word Count: 236

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

Working parents should quit whining, says a new **group** known as the Child Free Network. They should instead acknowledge gratefully that they're getting...

...fed up, says Lafayette, and they're not going to take it any more. Her **group** is calling for companies to recognize that all workers have needs by extending benefits under...

...offering flexibility to everyone, not just those with children, and giving time off to get **cars repaired** or plumbing fixed. (WFC **surveys** find lack of **time** for **car** and home **repairs** consistently ranks among the top five sources of stress.) Currently the Child Free Network has 70 **group** leaders in 30 states reminding us that workers have different lifestyles and "trying to create..."

14/3,K/7 (Item 5 from file: 636)

DIALOG(R)File 636:Gale Group Newsletter DB(TM)  
(c) 2005 The Gale Group. All rts. reserv.

02007473 Supplier Number: 43619141 (USE FORMAT 7 FOR FULLTEXT)  
**AIR POLLUTION: UNRESOLVED ISSUES MAY HAMPER SUCCESS OF EPA'S PROPOSED EMISSIONS PROGRAM**

Federal Industry Watchdog, pN/A  
Feb, 1993

Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count: 290

... of urban pollution, the Environmental Protection Agency (EPA) established a policy in 1978 for state **inspection** and maintenance programs. Because emissions were not reduced to levels set by EPA, Congress passed legislation in 1990 requiring the upgrading of **inspection** and maintenance programs in the most seriously polluted parts of the country. EPA proposed a...

...including the IM240 test, a move that could have a tremendous economic impact on the **inspection** and repair industries. Because of many unresolved issues related to the IM240 test--ranging from doubts about the reliability of test results to difficulties in getting **repairs** done to **vehicles diagnosed** with emission **problems**--GAO questions why EPA did not **look** into alternative tests before issuing its proposed regulation. **Studies** by various **groups** suggest that another test option may yield results similar to the IM240 test but at...

...lower cost and possibly less inconvenience to the public. Although EPA has just begun to **study** this other option, when the **study** results will be available to the states is unclear. EPA said that it had proposed allowing states until November 1993 to settle on a specific **inspection** and maintenance test procedure, but this time frame is not clearly stated in EPA's proposed regulation. It is important for EPA to complete its **study** on alternatives to the IM240 test before then. Otherwise, states may end up adopting test...

14/3,K/8 (Item 1 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2005 The Gale Group. All rts. reserv.

07042166 Supplier Number: 57533990  
**NAPA attendees told: trust in service still lacking. (National Automotive Parts Association)**  
Modern Tire Dealer, v79, n8, p69(2)  
August, 1998  
Language: English Record Type: Abstract  
Document Type: Magazine/Journal; Trade

ABSTRACT:  
...1998 Natl Automotive Parts Assn (NAPA) Expo held in Las Vegas, NV, highlighted a consumer **study** that disclosed the car repair industry's image problem. The results revealed that only one out of four consumers believe **automotive service** technicians are a **source** of good advice. These **findings** were largely replicated by a **survey** conducted by the American Automobile Assn. NAPA Pres Steve Handschuh has disclosed plans to continue the **group** 's honest information campaign to counter the negative stereotypes besetting the industry. ...

14/3,K/9 (Item 2 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2005 The Gale Group. All rts. reserv.

03310296 Supplier Number: 44573030 (USE FORMAT 7 FOR FULLTEXT)  
**Ryder Automates Maintenance**  
Supermarket News, p14  
April 4, 1994  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count: 123

... perform a number of tasks once done manually or with less sophisticated software programs.  
For **example**, it can be used to quickly **determine** vehicle **problems**, provide technicians with step-by-step repair procedures, schedule **maintenance checks**, **track** a **vehicle** 's **maintenance** history, **record** fuel transactions and stock inventory, O'Neill said.

14/3,K/10 (Item 3 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2005 The Gale Group. All rts. reserv.

02205304 Supplier Number: 42872481 (USE FORMAT 7 FOR FULLTEXT)  
**Protecting your fleet from the ambulance chasers**  
Beverage Industry, v0, n0, p28  
April, 1992  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count: 1254

... at least one year. BMCS requires six months retention.  
Require all mechanics to check the **vehicle maintenance** history **record** before performing any repairs. The objective is to **find** out the **cause** of a failure and correct it, not just to remove and replace parts. The mechanic...

...that defects found on the vehicle condition report have been corrected. During the pre-trip **inspection**, the driver must assure himself that previous safety defects listed on the vehicle condition report...

**14/3,K/11 (Item 4 from file: 16)**  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2005 The Gale Group. All rts. reserv.

01975051 Supplier Number: 42528098 (USE FORMAT 7 FOR FULLTEXT)  
**Critical data storage defines memory technologies**  
Electronic Engineering Times, p67  
Nov 18, 1991  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Trade  
Word Count: 1381

... and applications to their own requirements.  
Use of history files to back up user input **errors** .  
Use of on-line **diagnostic records** to allow easier system  
**maintenance** .  
Increasing use of **auto** -resume in computers to allow immediate  
restart following a power loss.  
Increasing use of adaptive...

**14/3,K/12 (Item 5 from file: 16)**  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2005 The Gale Group. All rts. reserv.

01524746 Supplier Number: 41857931 (USE FORMAT 7 FOR FULLTEXT)  
**Ford, Chrysler offer dealer diagnostic systems**  
Automotive News, v0, n0, p16  
Feb 11, 1991  
Language: English Record Type: Fulltext Abstract  
Document Type: Magazine/Journal; Tabloid; Trade  
Word Count: 673

... road will be equipped with the communication link.  
The Mopar unit combines computers on the **vehicle**, **monitors** in the  
**service** bay and a satellite to **find** and fix **problems** .  
Chrysler's unit not only **diagnoses** electronic systems, but also  
gives a step-by-step repair procedure if a problem is...

...allows access to any page from the company's technical information  
library or automated parts **catalog** . The system is starting out with 1987  
through 1990 model service procedures and has the...

**14/3,K/13 (Item 6 from file: 16)**  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2005 The Gale Group. All rts. reserv.

01340850 Supplier Number: 41583053 (USE FORMAT 7 FOR FULLTEXT)  
**Deliver The Data**  
VARbusiness, p53  
Oct, 1990  
Language: English Record Type: Fulltext  
Document Type: Magazine/Journal; Trade

Word Count: 3071

... all to the tune of 1983 revenues of \$100 million, a corporate brainstorm put the **spotlight** on a new revenue **source** : selling information **service** to the **automotive** aftermarket. The information to be sold? An automated version of the dog-eared automotive parts **catalogs** put out by parts manufacturers and dutifully thumbed through by every jobber in the country...

...In 1989 Triad's information service revenue was on the order of \$10 million. It **looks** as if 1990 will top that.

"It was a need we identified even when the...

14/3,K/14 (Item 1 from file: 160)  
DIALOG(R)File 160:Gale Group PROMT(R)  
(c) 1999 The Gale Group. All rts. reserv.

02162310

**VISUAL GRAPHICS AWARDED MAJOR THIRD-PARTY SERVICE CONTRACT BY AUTO PRODUCTS MANUFACTURER**

PR Newswire March 21, 1989 p. 1

... service professionals with the right training and experience in place to take on the Murray **assignment**. These were just the qualities -- plus the fact that our technical service network covered the 48 contiguous states -- that Murray was **looking** for." Introduced recently, the new Murray "Air Tune Center 5000" is a state-of-the-art electronic instrument used to test and **service automobile** air conditioning units. It will **diagnose problems** and recycle the drained freon, preventing it from escaping and polluting the atmosphere. In many...

14/3,K/15 (Item 2 from file: 160)  
DIALOG(R)File 160:Gale Group PROMT(R)  
(c) 1999 The Gale Group. All rts. reserv.

01145442

**Micro Drawings Produce Macro Responses.**

WATER ENGINEERING & MANAGEMENT November, 1984 p. 31,32

The Tampa, Florida, water department has microfiche **viewer**-equipped **service trucks** for fast **problem identification**. Because of potential water damage that could result from problems, quick identification of the problem is vital. The dispatcher can find the appropriate microfiche through **index** cross-referencing, then calls the serviceman with the reference to the engineering drawings required. The...

...minute. The water department has installed 30 Information Design CUBE II Field Service model microfiche **viewers** and will add 10 more to its fleet.>

14/3,K/16 (Item 1 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2005 The Gale Group. All rts. reserv.

12793807 SUPPLIER NUMBER: 66769275 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**You can't manage what you can't measure.**  
Luczak, Marybeth

Railway Age, 201, 10, 45  
Oct, 2000

ISSN: 0033-8826      LANGUAGE: English      RECORD TYPE: Fulltext  
WORD COUNT: 2105      LINE COUNT: 00172

... cameras and lasers to analyze each wheel's cross-section and determine wear without taking **cars** out of **service**. The data collected will help schedule maintenance and **determine** what **causes** certain **problems**. "For **example**, if your brake shoes are in good shape, but you're not getting proper braking...

**14/3,K/17      (Item 2 from file: 148)**

DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2005 The Gale Group. All rts. reserv.

09981193      SUPPLIER NUMBER: 20168468

**New J.D. Power poll asks service managers to rate automakers. (J.D. Power and Associates)**

Sawyers, Arlena  
Automotive News, n5739, p6(1)  
Nov 10, 1997

ISSN: 0005-1551      LANGUAGE: English      RECORD TYPE: Abstract

ABSTRACT: The J.D. Power and Associates 1997 Service Managers' Satisfaction Index measured managers perceptions about **vehicle** reliability and **serviceability**. **Service** managers were asked to characterize the degree of **diagnosing problems** of the various **vehicle** brands they **service**. Technical support, manufacturer information, and tools were some of the factors that affect service managers...

**14/3,K/18      (Item 3 from file: 148)**

DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2005 The Gale Group. All rts. reserv.

06751068      SUPPLIER NUMBER: 14531716      (USE FORMAT 7 OR 9 FOR FULL TEXT)

**Selecting electric lift trucks. (Material Handling)**

Kelly, Michael E.  
Plant Engineering, v47, n17, p46(3)  
Oct 21, 1993

ISSN: 0032-082X      LANGUAGE: ENGLISH      RECORD TYPE: FULLTEXT; ABSTRACT  
WORD COUNT: 1328      LINE COUNT: 00109

... well as the distance covered and key-on time. The information becomes part of the **truck's maintenance record**, and is used to help calculate fleet size by **pinpointing** the amount of **time** the equipment is actually moving material.

Duty Cycle

Duty cycle outlines the performance demands the...

**14/3,K/19      (Item 4 from file: 148)**

DIALOG(R)File 148:Gale Group Trade & Industry DB  
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05894253      SUPPLIER NUMBER: 12305309      (USE FORMAT 7 OR 9 FOR FULL TEXT)

**"Heroic" engineering takes more than heroes. (includes related article on product development and engineering) (Product Design and Delivery)**  
Soderberg, Leif G.; O'Halloran, J. David

McKinsey Quarterly, n1, p3(21)

Wntr, 1992

ISSN: 0047-5394

LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT

WORD COUNT: 7491

LINE COUNT: 00629

... service hotlines, the company believed that centralization would help it to identify high priorities quickly, **assign** root cause responsibility, **track** progress, and speed up fixes.

The data from the different sources, however, covered all car...

14/3,K/20 (Item 5 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB

(c)2005 The Gale Group. All rts. reserv.

05561769 SUPPLIER NUMBER: 11532535 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**Back to basics: spec'ing packer bodies. (refuse collection companies are specializing in packer bodies for efficient garbage collection)**

Ward, Mark L., Sr.

management of WORLD WASTES, v34, n10, p50(4)

Oct, 1991

ISSN: 0161-035X

LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT

WORD COUNT: 2302

LINE COUNT: 00186

... private haulers.

Before Rudd writes packer body specifications, he checks with is city's computerized **fleet maintenance records** to gauge past performance and **spot** any **problems**. However, he believes specs are "fairly generic" for front-loading packer bodies, while specs for...

14/3,K/21 (Item 6 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB

(c)2005 The Gale Group. All rts. reserv.

04136523 SUPPLIER NUMBER: 07863692 (USE FORMAT 7 OR 9 FOR FULL TEXT)

**Changing determinants of truck-rail market shares.**

Babcock, Michael W.; German, H. Wade

Logistics and Transportation Review, v25, n3, p251(20)

Sept, 1989

ISSN: 0047-4991

LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 5046

LINE COUNT: 00412

... U.S. Department of Commerce, Business Conditions Digest.

SV -- Data to determine the truck service **index** obtained from U.S. Department of Transportation, Highway Statistics. Rail service **index** calculated from data in Association of American Railroads, Statistics of Class I Railroads. (2)Rail...

...rates which are confidential and lower than tariff rates. (3)Motor carriers in the rate **index** compiled by Transportation Policy Associates are Class I common carriers of general freight which are...

...to LTL) results in a degrees of freedom problem for the regression models in this **study**. Data to compute the correlation coefficient was obtained from Transportation in America, 1988 and Transportation...

...SV.sub.-1] and I are the same as those for equation (1). Data to **measure** STAA82 obtained from Motor Vehicle Manufactures Association.

Michael W. Babcock is Professor of Economics, Kansas...

Set	Items	Description
S1	2181	AUTOMOBILE? ? OR AUTOMOTIVE OR AUTO? ? OR VEHICLE? ? OR CAR OR CARS OR TRUCK? ? OR PICKUP? ? OR FLEET
S2	27086	REPAIR? OR SERVIC? OR FIX OR FIXES OR WORK OR BODYWORK OR - MAINTENANCE OR REFURBISH OR OVERHAUL?
S3	22307	TRACK??? OR FOLLOW??? OR EXAMIN??? OR MONITOR??? OR CHECK?- ?? OR WATCH??? OR AUDIT??? OR OBSERV??? OR LOOK??? OR VIEW??? OR (KEEP? OR KEPT)()TABS
S4	22608	ANALYS??? OR ANALYZ??? OR BENCHMARK??? OR EVALUAT??? OR EX- AM? OR COMPAR??? OR INSPECT??? OR INVESTIGAT? OR REVIEW??? OR STUDY??? OR STUDI?? OR SURVEY??? OR MEASUR???
S5	15906	IDENTIF? OR DETECT? OR DETERMINE? OR FIND? OR DIAGNOS? OR - RECOGNIZE? OR ESTABLISH? OR PINPOINT? OR SPOT? OR PLACE OR FI- NGER
S6	23927	DELAY? ? OR TIME OR WAIT OR CAUSE? ? OR REASON? ? OR SOURC- E? ? OR ERROR? ? OR PROBLEM? ? OR HINDRANCE? ? OR IMPEDIMENT? ? OR INTERRUPTION? ? OR JAM OR BOTTLENECK? ? OR BACKUP? ? OR - TIEUP? ? OR HOLDUP? ? OR HANGUP? ?
S7	5942	(BACK OR TIE OR HOLD OR HANG)()UP? ? OR SLOWDOWN? ? OR SLO- W()DOWN? ? OR CODE? ? OR INDEX OR IDENTIFIER? ?
S8	26645	S6 OR S7
S9	13645	ASSIGN? OR CATEGORIZ? OR CLASSIF? OR CODIF? OR INDEX? OR C- ATALOG? OR LABEL? OR GROUP? ? OR RECORD? ?
S10	192	S1(3N)S2
S11	61	S10(S)S8
S12	37	S11(S)(S3 OR S5)
S13	24	S12(S)(S4 OR S9)
S14	19	RD (unique items)

? show files

File 256:TecInfoSource 82-2005/Jan  
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14/3,K/1

DIALOG(R)File 256:TecInfoSource  
(c) 2005 Info.Sources Inc. All rts. reserv.

00152742 DOCUMENT TYPE: Review

PRODUCT NAMES: MEMS (847127); Flec Laser Bar Code Scanner (226143);  
Nomad Expert Technical System (226155)

TITLE: Commercialization and research at Microvision Inc

AUTHOR: Staff

SOURCE: MICRO/NANO, v9 n6 p9(1) Jun 2004

ISSN: 1099-7741

RECORD TYPE: Review

REVIEW TYPE: Product Analysis

REVISION DATE: 20050200

...clients. Microvision also is marketing its Nomad Expert Technical System and its Flec Laser Bar Code Scanner, and has development contracts at its Lumera subsidiary. Most industry discussion regarding Microvision is...

...at American Honda Motor and Volvo Trucks North America, technicians using the Nomad shortened their time doing various repair and maintenance tasks by up to 40%. With Nomad, automotive service tens can 'superimpose text and diagrams from electronic service manuals directly over their workspace.' A...

...pad and keypad on a belt-mounted Nomad Control Module. Other described areas to be watched in which current research and development (R&D) will reach commercialization are medical, electronics, and...

...medical use that is built with a proprietary polymer coating and process and is being evaluated by a possible client.

14/3,K/2

DIALOG(R)File 256:TecInfoSource  
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00151819 DOCUMENT TYPE: Review

PRODUCT NAMES: Intelligent Fasteners (811303)

TITLE: Intelligent Fasteners Could Change Everything

AUTHOR: Teresko, John

SOURCE: Industry Week, v252 n12 p19(1) Dec 2003

ISSN: 0039-0895

HOMEPAGE: <http://www.industryweek.com>

RECORD TYPE: Review

REVIEW TYPE: Product Analysis

GRADE: Product Analysis, No Rating

REVISION DATE: 20040730

...the cost is reduced. Users will be able to extend potential throughout their operations. An example is the auto industry, which would be able to modify the way autos are designed, assembled, serviced, and recycled.

Embedded microchips have the intelligence needed to activate the fastening mechanism and network to an intelligent tool that remotely manages and controls assembly and disassembly. The self- **diagnosing** system also documents each process activation. Fasteners would be programmable for **detection , analysis , and problem** reporting when service is required.

14/3,K/3

DIALOG(R)File 256:TecInfoSource  
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00146177 DOCUMENT TYPE: Review

PRODUCT NAMES: Company--SAIC (879371)

TITLE: In The Company of Spies:...why haven't you heard of SAIC?

AUTHOR: Kaihla, Paul

SOURCE: Business 2.0, v4 n4 p100(6) May 2003

ISSN: 1080-2681

HOME PAGE: <http://www.business2.com>

RECORD TYPE: Review

REVIEW TYPE: Company

REVISION DATE: 20030730

...core of SAIC's work. Intelligence agencies do not list or rank contractors, but intelligence **sources** report that SAIC was the National Security Agency's leading provider over the last year...

...CIA's top five. SAIC, for instance, provided very powerful data mining software that helped **finger** and capture Khalid Sheikh Mohammed, the infamous al Qaeda planner behind 9/11. SAIC also makes undersea thermal imaging sensors that **track** submarines; software used by spy satellites to map the earth and perform other intelligence tasks; and equipment that uses gamma rays to see inside cargo containers and **truck** trailers. The **work** may be low-profile, but it is more important than ever. J. Robert (Bob) Beyster...

...post by early 2004. Among SAIC's most advanced products are TeraText and Latent Semantic **Indexing** , which are data mining programs used by intelligence agencies to sort through the huge volumes...

14/3,K/4

DIALOG(R)File 256:TecInfoSource  
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00145974 DOCUMENT TYPE: Review

PRODUCT NAMES: Endeca ProFind 3.5 (136018); One Step (056359); JeevesOne 3.0 (073351)

TITLE: Search tools get smarter: Apps to offer more complete results

AUTHOR: Callaghan, Dennis

SOURCE: eWeek, v20 n16 p24(1) Apr 21, 2003

ISSN: 1530-6283

HOME PAGE: <http://www.eweek.com>

RECORD TYPE: Review

ECI 3600

Dialog Search

REVIEW TYPE: Product Analysis  
GRADE: Product Analysis, No Rating

REVISION DATE: 20030730

...intelligent search tools that can retrieve better results from large numbers of content and data **sources**. Endeca ProFind 3.5 includes ProFind and InFront applications; InFront is a search tool for...  
...allows enterprisewide searching on content, including integration with installed security and authentication systems. It can **work** with **categorization** and **auto**-tagging products from third party developers. OneStep has new analytic reports for **tracking** users' interaction with the application, including User Intelligence Reports that show what users searched for...

14/3,K/5

DIALOG(R)File 256:TecInfoSource  
(c) 2005 Info.Sources Inc. All rts. reserv.

00143431 DOCUMENT TYPE: Review

PRODUCT NAMES: Proximate Commute (145017)

TITLE: New spins on work/life balance: Three firms offer clever remedies...

AUTHOR: Kistner, Toni

SOURCE: Network World, v19 n45 p31(2) Nov 11, 2002

ISSN: 0887-7661

HOME PAGE: <http://www.nwfusion.com>

RECORD TYPE: Review

REVIEW TYPE: Product Analysis

GRADE: Product Analysis, No Rating

REVISION DATE: 20030330

...commute jobs with the same employer. Proximate Commute Online maps calculates the current commute's **time**, distance, cost, and pollution generated, and **compares** them with shorter commutes shown by the program. Zipcar provides short-term, self- **service** **car** rentals in Boston, New York, and Washington, D.C. Zipcar members merely log onto the Zipcar Web site, reserve the specific car wanted (including **time** and location), and go to the parking lot where the car is located. The user...

...Networks, get administrative and support services, are trained to sell products, collaborate, share leads, and **find** leads for each other.

14/3,K/6

DIALOG(R)File 256:TecInfoSource  
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00138192 DOCUMENT TYPE: Review

PRODUCT NAMES: Oracle JDeveloper 9i (720771)

TITLE: Oracle JDeveloper: An Alternative to Visual Studio .Net

AUTHOR: Coffee, Peter

SOURCE: PC Magazine, v21 n8 p34(1) Apr 23, 2002

JMB

Date: 28-Feb-05

ECI 3600

Dialog Search

ISSN: 0888-8509

HOMEPAGE: <http://www.pcmag.com>

RECORD TYPE: Review

REVIEW TYPE: Review

GRADE: B

REVISION DATE: 20021130

Oracle's 9i JDeveloper Suite, a very good alternative to Microsoft's Visual Studio .NET, is available in a free download for developers who are not programming commercial or product code. Other developers have to discuss licensing fees with Oracle. During testing of the winter Release Candidate code, JDeveloper proved to be as effective as JBuilder for speedy, bi-directional linkage between the multiple views of a project under way. JDeveloper may be better than Visual Studio .NET, since, for example, the form designer in Visual Studio .NET generates code with warnings against any attempt to manually edit and does not respond to all source code edits until it returns to foreground tool status. However, JDeveloper's visual graphical user interface (GUI) designer responded dynamically and consistently to manual source code modifications. Testers worked with a version that shipped ready to deploy on Apache Simple Object Access Protocol (SOAP) and Oracle 9i Application Server, with support for XML and Web Services Description Language (WSDL). Auto-completion features are as good as those of JBuilder or Visual Studio .NET, but Oracle 9i JDeveloper adds the useful CodeCoach tool for monitoring an application session. The tool also provides suggestions for improving code structure.

14/3,K/7

DIALOG(R)File 256:TecInfoSource

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00137778

DOCUMENT TYPE: Review

PRODUCT NAMES: ViaVoice for Windows (035432); DB2 Everywhere (767433); 802.11 (845264)

TITLE: The Office Hits the Road: Companies make it easier to access from...

AUTHOR: Correia, Edward J

SOURCE: SD Times, v50 p30(1) Mar 15, 2002

ISSN: 1528-1965

HOMEPAGE: <http://www.sdtimes.com>

RECORD TYPE: Review

REVIEW TYPE: Product Analysis

GRADE: Product Analysis, No Rating

REVISION DATE: 20030330

...systems from the field. Because many companies' employees travel between office and client sites, travel time is wasted if employees cannot gain increased access to applications when away from the office...  
...platform is connected to all other networks, it becomes viable. IBM's pervasive computing solutions group is developing telematics, which indicates the ability to link mobile computing devices with a user location and delivers applications as well. For the first time, a computing platform is available in a car, and time can be used for productive work

JMB

Date: 28-Feb-05

ECI 3600

Dialog Search

. **Automobiles** are now **viewed** as mobile offices, says Alec Saunders, VP of marketing for QNX Software Systems, an embedded developer. QNX has built a telematics solution that merges its real- **time** operating system (RTOS) with IBM ViaVoice to decrease driver distraction by providing voice commands. DB2...

14/3,K/8

DIALOG(R)File 256:TecInfoSource

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00137204

DOCUMENT TYPE: Review

**PRODUCT NAMES:** **BusinessObjects Developer Suite (087084); WebTrends Reporting Service (151963); DB2 OLAP Server (087092)**

**TITLE:** **Business Tools Get Smart: Business-intelligence tools sift...**

**AUTHOR:** Pallatto, John

**SOURCE:** Internet World, p22(8) Feb 2002

**ISSN:** 1097-8291

**HOME PAGE:** <http://www.iw.com>

**RECORD TYPE:** Review

**REVIEW TYPE:** Product Analysis

**GRADE:** Product Analysis, No Rating

**REVISION DATE:** 20031230

Several **examples** of companies' use of business intelligence tools highlights Business Objects' Business Objects Developer Suite, WebAnalytics ...

...can help businesses filter knowledge grains from stockpiled raw transaction data. Users know how to **record** and maintain **records** with high-speed computing systems that pump out terabytes of inventory, orders, production rates, sales, and shipments for all types of commodities, but companies must be able to **analyze** the data usefully before the information becomes outdated and irrelevant. For instance, Penske Logistics, the shipping **services** unit of the **truck** - leasing and rental company, uses Business Objects' tools to **track** performance of logistics operations for customers. Reports are generated that tell customers when services have...

...Penske's performance was. For instance, Penske might show customers that it delivered an on- **time** performance of 98 percent. It can also **find** where in the supply chain the **delay** was **caused**. Penske will also provide warehouse management services. With tools from Business Objects, Penske has a much clearer **view** of the efficiency of its operations. Site59.com uses WebTrends BI tools to **determine** that site visitors could not **find** all travel packages available, and then streamlined and improved site design. ING Antai, a beta tester of DB2 OLAP Server, reduced the **time** required to **analyze** its data by approximately 75 percent.

14/3,K/9

DIALOG(R)File 256:TecInfoSource

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00134784

DOCUMENT TYPE: Review

**PRODUCT NAMES:** **Device Relationship Management (076945); Qestra Platform**

JMB

Date: 28-Feb-05

(076953); ComfortLink (076961); MyAppliance.com (076988)

**TITLE:** Sending Out a Smart SOS: Industrial devices get connected  
**AUTHOR:** Hicks, Matt  
**SOURCE:** eWeek, v18 n41 p41(3) Oct 22, 2001  
**ISSN:** 1530-6283  
**HOME PAGE:** <http://www.eweek.com>

**RECORD TYPE:** Review  
**REVIEW TYPE:** Product Analysis  
**GRADE:** Product Analysis, No Rating

**REVISION DATE:** 20030330

...com are highlighted in a discussion of new smart, Internet-connected industrial machines that can **monitor**, **diagnose**, and service themselves. The devices can connect via the Internet to alert manufacturers about performance...

...create new markets. According to a consultant, the machine gets an opportunity to report a **problem**, and the technology will particularly appeal to utility companies and service organizations. The process can...

...dealers should be actively considering deployment now, especially makers of equipment with high support costs. **Examples** include makers of factory floor machines, medical devices, heating/ventilation/air conditioning (HVAC) equipment, office equipment, and heavy equipment. Air Liquide chose Device Relationship Management to **monitor** tunnels via the Internet, while IBM has announced **ServiceAfterSales** for the **automotive** and aerospace industries. Qestra Platform provides on-site data gathering. Carrier's customers can sign up to have Carrier **monitor** performance and other parameters on HVAC systems, while MyAppliance.com would permit consumers to control...

14/3,K/10

DIALOG(R)File 256:TecInfoSource  
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00134397 DOCUMENT TYPE: Review

**PRODUCT NAMES:** FormFlow 99 (631639); IDM (069604)

**TITLE:** Traveling the Long Road to End-To-End Processing  
**AUTHOR:** MacSweeney, Greg  
**SOURCE:** Insurance & Technology, v29 n10 p30(5) Sep 2001  
**ISSN:** 1054-0733  
**HOME PAGE:** <http://www.insurancetech.com>

**RECORD TYPE:** Review  
**REVIEW TYPE:** Product Analysis  
**GRADE:** Product Analysis, No Rating

**REVISION DATE:** 20020830

...vendors, insurance companies are addressing straight-through processing (STP) demands. Insurance companies employ multiple data **sources**, making the implementation of STP systems difficult. However, by focusing on the delivery of commodity **services**, like **auto** insurance, system deployments can be simplified. MetLife Investors, for **example**, uses software from Docucorp and FileNET to streamline workflow. Agents enter data into the

system and **track** the approval process online. Using the technology, MetLife has reduced customer support calls by 60...

14/3,K/11

DIALOG(R)File 256:TecInfoSource  
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00134323 DOCUMENT TYPE: Review

PRODUCT NAMES: Storage Management (830041); Digital Video (830268)

TITLE: Driving Force: Storage options for nonlinear editing  
AUTHOR: De Lancie, Philip  
SOURCE: Digital Video Magazine, v9 n10 p38(5) Oct 2001  
ISSN: 1075-251X  
HOMEPAGE: <http://www.dv.com>

RECORD TYPE: Review  
REVIEW TYPE: Product Analysis  
GRADE: Product Analysis, No Rating

REVISION DATE: 20011230

...several factors involved in selecting a storage method for a nonlinear editing system, and the **place** to start is to understand specific requirements. Users will want to first **evaluate** what formats they will be working with, how many simultaneous video streams they will want to manipulate in real **time**, and how many hours of video will be stored. Data safety is also an issue. In a RAID 0 system, for **example**, a single disk failure will result in data loss. RAID 3, however, can **auto - repair** from a single disk failure, and a faulty disk can be swapped out without loss...

...editing systems, critical factors for storage drives include sustained transfer rate, rotational speed, and seek **time**. Disk drives are divided into mass market and high performance products. IDE drives dominate the...

14/3,K/12

DIALOG(R)File 256:TecInfoSource  
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00132241 DOCUMENT TYPE: Review

PRODUCT NAMES: Railroads (831212); E-Commerce (836109)

TITLE: All Aboard: Railroads Make Time, Money On The Web  
AUTHOR: Bryce, Robert  
SOURCE: Interactive Week, v8 n28 p39(2) Jul 16, 2001  
ISSN: 1078-7259  
HOMEPAGE: <http://www.interactive-week.com>

RECORD TYPE: Review  
REVIEW TYPE: Product Analysis  
GRADE: Product Analysis, No Rating

REVISION DATE: 20020630

...a Web service that will provide customers with access to the train scheduling systems and **services** that allow **auto** manufacturers to **track**

their vehicles in close to real- **time** while the vehicles are being transported over North America. BNSF has been working with major vendors to build a set of online **catalogs** that list most of the items it purchases. Savings from online purchasing has saved BNSF...

14/3,K/13

DIALOG(R)File 256:TecInfoSource  
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00131755 DOCUMENT TYPE: Review

PRODUCT NAMES: **Supply Chain Management (833444); Mobile Commerce (843784)**

TITLE: **The Supply Chain Unplugged**  
AUTHOR: Banham, Russ  
SOURCE: iSource Business, p60(8) May 2001  
HOMEPAGE: <http://www.isourceonline.com>

RECORD TYPE: Review  
REVIEW TYPE: Product Analysis  
GRADE: Product Analysis, No Rating

REVISION DATE: 20030330

...to be alerted about important deliveries. Such companies as Home Depot use wireless technology to **track** inventory levels, with store associates walking aisles and entering data into penpad PCs. Software from...

...keying in data, allowing them to operate machinery uninterrupted. Wireless applications improve logistical performance. For **example**, such applications can **identify** manifests in **trucks**, alert engineers to **repair problems**, and provide location awareness technology. The latter benefit is like a more sophisticated barcode system, allowing products to be **tracked** automatically from the manufacturing plant to the end-user. Ultimately, wireless technology will be combined...

14/3,K/14

DIALOG(R)File 256:TecInfoSource  
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00131536 DOCUMENT TYPE: Review

PRODUCT NAMES: **Genio Suite Solaris (056103)**

TITLE: **Data Warehouse Gives Trimac Information for the Long Haul**  
AUTHOR: Rosencrance, Linda  
SOURCE: Computerworld, v35 n27 p47(1) Jul 2, 2001  
ISSN: 0010-4841  
HOMEPAGE: <http://www.computerworld.com>

RECORD TYPE: Review  
REVIEW TYPE: Product Analysis  
GRADE: Product Analysis, No Rating

REVISION DATE: 20020830

...hauling and trucking company, improve access to corporate data from



across the Canadian organization. An **analyst** says, 'Hummingbird's Genio Suite appeals to organizations seeking an ETL tool with more of...

...FSS, a field support system that conducts truck order-taking, dispatching, and invoicing; Shop, a **truck maintenance** system that **tracks** cost and invoices for maintenance, services, and cleaning; Dashboard, which provides branch managers with key business information each day and in a weekly report that allows **identification** or **problems** and initiation of corrective actions; and Genio Suite, which runs on a Solaris platform to...

...culls data from its initial database and converts the data to the needed format for **analysis**. Data is loaded into a central repository (target database). Genio Suite was chosen because it can provide quick turnaround for implementation and eases deployment of data marts used for trip **analysis**, haul **analysis**, and profitability, either by customer or equipment, says a business intelligence manager for Trimac.

14/3,K/15

DIALOG(R)File 256:TecInfoSource

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00131215

DOCUMENT TYPE: Review

PRODUCT NAMES: Company--Covisint LLC (873373)

TITLE: Covisint Talks Trash

AUTHOR: Cleary, Mike

SOURCE: Interactive Week, v8 n20 p11(2) May 21, 2001

ISSN: 1078-7259

HOME PAGE: <http://www.interactive-week.com>

RECORD TYPE: Review

REVIEW TYPE: Company

REVISION DATE: 20020730

...s spokesperson Dan Jankowski, however, Covisint is still focusing on the automotive industry. If Covisint **looks** outside, 'it will be for complementary work in the transportation industry.' Jankowski also says that...

...English was recently named CEO of Covisint. Industry mavens are not sure whether Covisint is **looking** for **work** outside the **automotive** industry, but if it is, the **reason** could be sluggish sales in the auto business. Covisint is quite a bit like a dot-com, says an **analyst**, in that other business-to-business (B2B) exchanges have tried operating in other markets when...

...initial businesses started faltering. However, the attempts were unsuccessful, and Covisint's alleged quest for **work** outside the **automotive** industry is a bad sign. A third **analyst** notes that OEMs are cooling off toward Covisint, since they have spent large sums supporting...

14/3,K/16

DIALOG(R)File 256:TecInfoSource

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ECI 3600

Dialog Search

00126190

DOCUMENT TYPE: Review

PRODUCT NAMES: Carfax (022934)

TITLE: Lemon Aid: By providing detailed vehicle history reports, Carfax...

AUTHOR: Harreld, Heather

SOURCE: CIO, v13 n18 p198(4) Jul 1, 2000

ISSN: 0894-9301

HOMEPAGE: <http://www.cio.com>

RECORD TYPE: Review

REVIEW TYPE: Product Analysis

GRADE: Product Analysis, No Rating

REVISION DATE: 20011030

Carfax is a Web-based **vehicle** report **service** whose reports are meant to disclose any **problems** in a used car's past. The reports can show whether a car was ever...

...s driving patterns. Carfax's market is the 41 million used-car transactions that take **place** every year that has a total value of \$365 billion. In 1999, Carfax ran **checks** on 10 million vehicle **identification** numbers (VINs) against its database of more than 1.1 billion **records** (a **record** being one event in a car's history). One vehicle history report costs the customer...

14/3,K/17

DIALOG(R)File 256:TecInfoSource

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00126130

DOCUMENT TYPE: Review

PRODUCT NAMES: CRM (831204); Electronic Customer Service (840572)

TITLE: Becoming More Responsive

AUTHOR: Robb, Drew

SOURCE: Software Strategies, v15 n6 p48(3) Jun 2000

ISSN: 1087-2493

HOMEPAGE: <http://www.softwarestrategies.com>

RECORD TYPE: Review

REVIEW TYPE: Product Analysis

GRADE: Product Analysis, No Rating

REVISION DATE: 20011130

...from Epicor Software to respond in today's markets as a value-added, just-in- **time** supplier that delivers products as required (or based on weekly forecasts). CRM has been implemented...

...CRM 'is a process wherein you orient your entire business to the customer.' GE Capital **Fleet Services**, for **example**, uses CRM as part of an overall e-commerce strategy and has deployed Web-ready...

...desktop access to their own specific fleet information. When seeking to deploy CRM, manufacturers can **follow** Hewlett-Packard's lead and first emphasize customer service and satisfaction levels. HP's Web...

JMB

Date: 28-Feb-05

14/3,K/18

DIALOG(R)File 256:TecInfoSource  
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00124977 DOCUMENT TYPE: Review

PRODUCT NAMES: E.piphany E.6 (090247); Broadbase 4.0 (689882)

TITLE: Analysis Turns To Action

AUTHOR: . Sweat, Jeff

SOURCE: Information Week, v796 p22(3) Jul 24, 2000

ISSN: 8750-6874

HOMEPAGE: <http://www.informationweek.com>

RECORD TYPE: Review

REVIEW TYPE: Product Analysis

GRADE: Product Analysis, No Rating

REVISION DATE: 20020630

...4.0 are products in an evolving market for software that allows companies to gather, **analyze**, and act on customer data in real **time** via a single integrated system. E.piphany E.5 is the first version of a...

...CRM) vendor Octane Software; it is part of E.piphany's suite of customer-data **analysis** products and integrated tools for CRM. Rival Broadbase will release Broadbase 4.0, which integrates...

...for Nissan North America says he will implement E.piphany E.5 to show the **time** left on an auto leasing agreement when valued customers call in for **auto repair services** or **maintenance**. He says the service could be offered free if the lease is close to expiration...

...campaigns and delivering targeted sales presentations. The products suggest ways that companies can act on **findings**. The eCRM manager for Hewlett-Packard's Business Customer Organization, David Welch, is considering Broadbase 4.0. Companies like the new CRM products for their ability to provide **analysis** and implement a marketing action, all using one product.

14/3,K/19

DIALOG(R)File 256:TecInfoSource  
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00118526 DOCUMENT TYPE: Review

PRODUCT NAMES: RadStar (767654); LoadRunner (492132); e-TEST Suite (737836)

TITLE: e-Business Application Testing In Action

AUTHOR: Sullivan, Dan

SOURCE: e-Business Advisor Magazine, v17 n7 p10(4) Jul 1999

ISSN: 1098-8912

HOMEPAGE: <http://www.advisor.com>

RECORD TYPE: Review

REVIEW TYPE: Product Analysis

GRADE: Product Analysis, No Rating

REVISION DATE: 20030730

...Suite from RSW Software are tools to enhance testing of e-business applications. Three case **studies** used these tools for both functional and stress testing. RadStar, which uses a methodological approach...  
...user to focus on the testing process content without learning the ATM scripting language. PHH **Vehicle Management Services** used LoadRunner to develop test suites for a high volume of virtual users with a...

...machine. An important benefit of LoadRunner was the ability to run particular tests repeatedly to **pinpoint problems**. e-Test Suite was chosen by Countrywide Home Loans for its ease of use and...

...number of concurrent users. e-Test Suite includes e-LOAD for load/scalability testing, e- **MONITOR** for performance and availability **monitoring**, and e-TESTER for functional and regression testing. Using automated testing tools proved to be...

Set	Items	Description
S1	717639	AUTOMOBILE? ? OR AUTOMOTIVE OR AUTO? ? OR VEHICLE? ? OR CAR OR CARS OR TRUCK? ? OR PICKUP? ? OR FLEET
S2	1750353	REPAIR? OR SERVIC? OR FIX OR FIXES OR WORK OR BODYWORK OR - MAINTENANCE OR REFURBISH OR OVERHAUL?
S3	4600067	DELAY? ? OR TIME OR WAIT OR CAUSE? ? OR REASON? ? OR SOURC- E? ? OR ERROR? ? OR PROBLEM? ? OR HINDRANCE? ? OR IMPEDIMENT? ? OR INTERRUPTION? ? OR JAM OR BOTTLENECK? ? OR BACKUP? ? OR - TIEUP? ? OR HOLDUP? ? OR HANGUP? ?
S4	610691	(BACK OR TIE OR HOLD OR HANG)()UP? ? OR SLOWDOWN? ? OR SLO- W()DOWN? ? OR CODE? ? OR INDEX OR IDENTIFIER? ?
S5	4981473	S3 OR S4
S6	4291604	IDENTIF? OR DETECT? OR DETERMINE? OR FIND? OR DIAGNOS? OR - RECOGNIZE? OR ESTABLISH? OR PINPOINT? OR SPOT? OR PLACE OR FI- NGER
S7	3618025	TRACK??? OR FOLLOW??? OR EXAMIN??? OR MONITOR??? OR CHECK?- ?? OR WATCH??? OR AUDIT??? OR OBSERV??? OR LOOK??? OR VIEW??? OR (KEEP? OR KEPT)()TABS
S8	10874372	ANALYS??? OR ANALYZ??? OR BENCHMARK??? OR EVALUAT??? OR EX- AM? OR COMPAR??? OR INSPECT??? OR INVESTIGAT? OR REVIEW??? OR STUDY??? OR STUDI?? OR SURVEY??? OR MEASUR???
S9	2533928	ASSIGN? OR CATEGORIZ? OR CLASSIF? OR CODIF? OR INDEX? OR C- ATALOG? OR LABEL? OR GROUP? ? OR RECORD? ?
S10	506120	S5(5N)(S6 OR S7)
S11	172735	S10(10N)(S8 OR S9)
S12	22984	S1(3N)S2
S13	225	S11(S)S12
S14	74	S11(15N)S12
S15	69	RD (unique items)
S16	63	S15 NOT PY>2000

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16/5/1 (Item 1 from file: 6)

DIALOG(R)File 6:NTIS

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1818707 NTIS Accession Number: PB94-186285

**Head-Up Displays for Automotive Applications**

Harrison, A.

Michigan Univ., Ann Arbor. Transportation Research Inst.

Corp. Source Codes: 002797323

Sponsor: Industry Affiliation Program for Human Factors in Transportation Safety, Ann Arbor, MI.

Report No.: UMTRI-94-10

May 94 67p

Languages: English

Journal Announcement: GRAI9419

Sponsored by Industry Affiliation Program for Human Factors in Transportation Safety, Ann Arbor, MI.

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NTIS Prices: PC A04/MF A01

Country of Publication: United States

Head-up displays (HUDs) have been available for aircraft for quite some time and they are now findings their way into automotive applications. This literature review is an attempt to organize and integrate the variety of work conducted on automotive HUDs from a human-factors standpoint. The review is divided into four major topics: human factors issues in HUD design, descriptions of available HUDs, popular perceptions of automotive HUDs, and human performance with automotive HUDs. These topics are covered in four separate sections, such that the reader may survey any one of these topics by reading the section pertaining to that topic in isolation.

Descriptors: \*Head-up displays; \*Automotive engineering; \*Speed indicators; Human factors engineering; Display devices

Identifiers: NTISUMTRI

Section Headings: 85H (Transportation--Road Transportation); 95D (Biomedical Technology and Human Factors Engineering--Human Factors Engineering); 49E (Electrotechnology--Optoelectronic Devices and Systems)

16/5/9 (Item 9 from file: 6)

DIALOG(R)File 6:NTIS

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1170933 NTIS Accession Number: AD-A152 229/1

**Design of an Experiment to Examine Repair Process Errors of Military Vehicle Mechanics**

(Master's thesis)

Clements, D. T.

Florida Inst. of Tech., Melbourne.

Corp. Source Codes: 055521000; 390140

7 Dec 84 119p

Languages: English Document Type: Thesis

Journal Announcement: GRAI8513

Order this product from NTIS by: phone at 1-800-553-NTIS (U.S. customers); (703)605-6000 (other countries); fax at (703)321-8547; and email at orders@ntis.fedworld.gov. NTIS is located at 5285 Port Royal Road, Springfield, VA, 22161, USA.

NTIS Prices: PC A06/MF A01

Country of Publication: United States

This thesis develops a method and concept for analysis of errors made by US Army mechanics. A process model is developed to describe the hierarchy of actions accomplished by soldier mechanics to complete a diagnosis and repair effort on a disabled vehicle. From this process model an error classification scheme is developed. An error list is derived from the error classification scheme and used in combination with a list of factors that contribute to soldier mechanic's errors to determine shortcomings in the US Army system that selects, trains, employs, and provisions soldier mechanics. An experiment is developed which allows non-intervening observers to collect information regarding the incidence of error types with their associated contributing factors. This information is used in a statistical analysis. The analytical method used is canonical correlation. Canonical correlation analysis produces a rank ordering and relative scaling of the factors that contribute to soldier mechanic's errors. This analytical result may then be used by top-level US Army decision-makers when deciding the allocation of research and development funds to reduce the frequency of errors made by soldier mechanics, thus improving the overall effectiveness of the US Army maintenance effort.

Descriptors: \*Maintenance personnel; \*Army personnel; \*Repair; Factor analysis; Deficiencies; Army training; Error analysis; Diagnosis (General); Ranking; Personnel selection; Performance(Human); Decision making; Resource management; Mechanical engineering; Allocations; Correlation; Errors; Maintenance; Classification; Military vehicles; Statistical analysis; Theses

Identifiers: \*Mechanics(Personnel); NTISDODXA

Section Headings: 70D (Administration and Management--Personnel Management, Labor Relations, and Manpower Studies); 74E (Military Sciences--Logistics, Military Facilities, and Supplies)

16/5/10 (Item 10 from file: 6)

DIALOG(R)File 6:NTIS

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1098552 NTIS Accession Number: AD-A138 444/5

**Maintenance Performance System (Organizational). The Effect of Job Exposure on Maintenance Proficiency: Test Results for the Automotive Tank Mechanic (63N)**

(Research note)

Spiker, V. A.

Anacapa Sciences, Inc., Santa Barbara, CA.

Corp. Source Codes: 029731000; 405951

Sponsor: Army Research Inst. for the Behavioral and Social Sciences, Alexandria, VA.

Report No.: AS-TR465-27; ARI-RN-84-16

Jan 84 59p

Languages: English

Journal Announcement: GRAI8411

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NTIS Prices: PC A04/MF A01

Country of Publication: United States

Contract No.: MDA903-81-C-0032; 2Q263743A794

The purpose of this effort is to develop the Maintenance Performance System-Organizational (MPS-O) which is an integrated system for measuring maintenance performance, diagnosing performance problems, taking corrective actions, and providing training. This report describes a study to determine the relationship between frequency of maintenance task

performance--job exposures--and corrective **maintenance** skill levels of **automotive** tank mechanics. Conclusions from this research will help establish the validity of using data on job exposure frequency to identify and correct deficiencies in individual repair skill.

Descriptors: \*Job analysis; \*Maintenance personnel; \*Management information systems; Computer applications; Performance(Human); Skills; Maintenance management; Job training; Man computer interface; Computer aided diagnosis; Proficiency; Personnel development; Manpower utilization; Optimization; Army research; Retraining

Identifiers: MPS-O (Maintenance Performance Systems Organizational); Maintenance training; NTISDODXA; NTISDODA

Section Headings: 92A (Behavior and Society--Job Training and Career Development)

16/5/11 (Item 11 from file: 6)

DIALOG(R)File 6:NTIS

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1031645 NTIS Accession Number: AD-A127 416/6

**Baseline Data. Volume 2. Relative Frequency of Types of Information-Seeking or Error Events Occurring under Each Type of Task Conditions**

(Interim rept. Apr 78-Sep 80)

Schurman, D. L. ; Porsche, A. J.

Applied Science Associates, Inc., Valencia, PA.

Corp. Source Codes: 001867000; 032170

Sponsor: Army Research Inst. for the Behavioral and Social Sciences, Alexandria, VA.

Report No.: ARI-RN-82-10

Sep 80 82p

Languages: English

Journal Announcement: GRAI8316

Order this product from NTIS by: phone at 1-800-553-NTIS (U.S. customers); (703)605-6000 (other countries); fax at (703)321-8547; and email at orders@ntis.fedworld.gov. NTIS is located at 5285 Port Royal Road, Springfield, VA, 22161, USA.

NTIS Prices: PC A05/MF A01

Country of Publication: United States

Contract No.: DAHC19-77-C-0025; 2Q162722A777

Data on occurrence of information seeking and performance errors are presented for track and wheel vehicle mechanics classified by amount of prior task experience. Within this framework, information seeking behaviors are identified by type of information source used and type of information sought in relation to characteristics of the tasks performed. Error data is similarly displayed for type of performance error in relation to presence or absence of information seeking during the task performance and characteristics of the task performed. These data are based on unobtrusive observations of US Army mechanics performing their usual duties at their normal work sites. These observations were restricted to organizational-level motor pools and to mechanical repair tasks on vehicles in the M151 jeep series, M35 2 1/2-Ton truck series, M54 5-ton truck series, M113 armored personnel carrier series, and M60 tank series. Observers recorded the mechanics' performance in a step-by-step fashion, when information was sought during the performance and the errors made during the performance. (Author)

Descriptors: \*Information systems; \*Work measurement; \*Maintenance personnel; \*Performance(Human); \*Army personnel; \*Mechanics; \*Tables(Data); Ground vehicles; **Tracked** vehicles; **Error analysis** ; Base lines; Corrections; **Repair** ; **Trucks** ; Armored personnel carriers; Tanks(Combat vehicles)



Identifiers: NTISDODXA; NTISDODA  
Section Headings: 70D (Administration and Management--Personnel Management, Labor Relations, and Manpower Studies)

16/5/13 (Item 13 from file: 6)  
DIALOG(R)File 6:NTIS  
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0705280 NTIS Accession Number: AD-A054 825/5/XAB

**A Method for Evaluating Diagnostic Aid Systems in Army Land Vehicle Maintenance**

(Interim rept)  
Mills, G. F. ; Wolf, K. A.  
Rand Corp Santa Monica Calif  
Corp. Source Codes: 296600  
Report No.: RAND/R-2123-ARPA  
Apr 78 138p  
Journal Announcement: GRAI7818  
Order this product from NTIS by: phone at 1-800-553-NTIS (U.S. customers); (703)605-6000 (other countries); fax at (703)321-8547; and email at orders@ntis.fedworld.gov. NTIS is located at 5285 Port Royal Road, Springfield, VA, 22161, USA.

NTIS Prices: PC A07/MF A01

Contract No.: MDA903-78-C-0121; ARPA ORDER-3486

This report discusses Army land vehicle maintenance data and data collection efforts, and describes the development of a general method for evaluating diagnostic aid systems. Differences among data sources are illustrated by a comparison of maintenance data for the 1/4 ton truck. The evaluation method is based on two assumptions: first, that current vehicle operating and maintenance practices embody a number of problems that cause maintenance costs to be higher than necessary, and second, that diagnostic aid systems perform functions that can reduce or eliminate these problems. Two models were designed to implement this methodology. One employs a cost factor approach, while the other uses a reliability/maintainability approach. Several analyses illustrate the abilities of both models to identify the most important maintenance problems, examine the effects of changes in problem magnitudes or diagnostic effects, and estimate the potential savings resulting from the use of a particular diagnostic aid system. (Author)

Descriptors: \*Ground vehicles; \*Trucks; \*Maintenance management; Diagnosis(General); Reliability; Indicating instruments; Warning systems; Military vehicles; Cost models; Logistics support; Downtime; Mathematical models; Maintainability; Malfunctions; Data bases; Computerized simulation

Identifiers: M-151A1 trucks(1/4-ton); NTISDODXA

Section Headings: 74E (Military Sciences--Logistics, Military Facilities, and Supplies)

16/5/27 (Item 11 from file: 8)  
DIALOG(R)File 8:Ei Compendex(R)  
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00316827 E.I. Monthly No: EI7308042744 E.I. Yearly No: EI73054354

Title: **FAULT-TREE APPLICATIONS TO THE AUTOMOBILE INDUSTRY.**

Author: Mateyka, James; Danzeisen, Richard; Weiss, David W.

Corporate Source: Booz, Allen Applied Res

Source: SAE Preprints n 730587 for Meet May 14-18 1973 12 p

Publication Year: 1973

CODEN: SEPPA8 ISSN: 0560-6160

Language: ENGLISH

Journal Announcement: 7308

Abstract: " Fault tree " is a name given to a logic diagram that develops all of the subsystem and component faults and combinations of faults which can result in particular system symptoms or faults. This type of logic diagram can be extremely useful in all phases of **automobile** design and **service** . Applications are discussed to the following areas: As a reliability tool for **identifying** and **cataloging** specific **problems** , to preclude their being incorporated in new designs. As a diagnostic aid to maintenance personnel in systematically screening potential vehicle performance problems. As an aid in assessing accident causation factors and the potential contribution of vehicle defects to accidents. Examples in each area are presented.

Descriptors: \*SYSTEMS SCIENCE AND CYBERNETICS--\*Multivariable Systems; AUTOMOTIVE ENGINEERING

Identifiers: FAULT LOGIC; FAULT TREES

Classification Codes:

461 (Biotechnology); 901 (Engineering Profession); 912 (Industrial Engineering & Management)

46 (BIOENGINEERING); 90 (GENERAL ENGINEERING); 91 (ENGINEERING MANAGEMENT)

16/5/28 (Item 1 from file: 94)

DIALOG(R)File 94:JICST-EPlus

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02654465 JICST ACCESSION NUMBER: 96A0207417 FILE SEGMENT: JICST-E  
**Fatigue Strength Evaluation System for Structural Members of Construction & Industrial Vehicles.**

NAKAMURA TERUO (1); NAGASHIMA KAZUO (1); NAKASHIMA MAKOTO (1)

(1) Toyo Umpanki Co., Ltd.

Hitachi Zosen Giho(Hitachi Zosen Technical Review), 1996, VOL.56,NO.4,

PAGE.271-277, FIG.15, REF.9

JOURNAL NUMBER: F0063AAW ISSN NO: 0018-2788 CODEN: HZOGA

UNIVERSAL DECIMAL CLASSIFICATION: 629.36

LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan

DOCUMENT TYPE: Journal

ARTICLE TYPE: Original paper

MEDIA TYPE: Printed Publication

ABSTRACT: In an attempt to develop high reliability construction and industrial vehicles in the shortest possible **time** , the authors tried to **establish** a strength **evaluation** system which would permit a simple, precise **evaluation** of durability for the structural members of the above **vehicles** . Many **service** loads of the above vehicles were analyzed by a mini-computer, which resulted in the data-base that included the service frequency distribution, the maximum stress range, and the fatigue damage by using the modified Miner's law. Further more, the conventional design curve (.SIGMA.Rmax-D curve) was presented by considering the fatigue properties of the material, with regard to the relation between a fatigue damage and a maximum stress range as a linear regression curve. (author abst.)

DESCRIPTORS: construction motor vehicle; refrigerative van; dump truck; concrete mixer truck; fatigue strength; system evaluation; stress wave; finite element method; forecast; lifetime prediction

BROADER DESCRIPTORS: special automobile; automobile; automobile for special purpose; automobile with special body; mechanical property; property; strength; evaluation; wave motion; approximation method

CLASSIFICATION CODE(S): QG07010Q

16/5/31 (Item 4 from file: 94)  
DIALOG(R)File 94:JICST-EPlus  
(c)2005 Japan Science and Tech Corp(JST). All rts. reserv.

01486079 JICST ACCESSION NUMBER: 92A0090016 FILE SEGMENT: JICST-E  
**The direction of the maintenance of tomorrow. For the coming twenty-first century.**

NAKAMURA YASUYUKI (1)  
(1) East Japan Railways Co.  
Sharyo to Kikai, 1992, VOL.6,NO.1, PAGE.16-19, FIG.10  
JOURNAL NUMBER: Z0898BAD ISSN NO: 0913-7971  
UNIVERSAL DECIMAL CLASSIFICATION: 629.4.08  
LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan  
DOCUMENT TYPE: Journal  
ARTICLE TYPE: Commentary  
MEDIA TYPE: Printed Publication

ABSTRACT: This paper describes the present situation of **car maintenance** at East Japan Railway Co. and future **study** direction. The **following problems** are mentioned.1) The present **inspection** system is on the basis of that of the SL age.2) Maintenance free is not possible yet.3) Inferiority in innovation.4) Technical improvement is urgently required. The following proposals are made.1) Development and introduction of the next generation cars.2) Establishment of a new maintenance system.3) Modernization of the bases.4) Shift to creative technical business.

DESCRIPTORS: private railway; Eastern Japan; rolling stock management; work analysis; rolling stock; technology development; maintainability(property); operation office; function(performance); improvement of efficiency; technological introduction; engineering education

BROADER DESCRIPTORS: railway; Japan; East Asia; Asia; management; analysis(separation); analysis; research and development; development; performance; railway facility; facility and building; modification; education; education and training

CLASSIFICATION CODE(S): QH02020V

16/5/34 (Item 2 from file: 63)  
DIALOG(R)File 63:Transport Res(TRIS)  
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00770070 DA  
**TITLE: VEHICLE REPAIR AND MAINTENANCE COSTS: LITERATURE REVIEW AND OPERATOR COST SURVEY**

CORPORATE SOURCE: TRANSFUND NEW ZEALAND, PO BOX 2331, LAMBTON QUAY,  
WELLINGTON, NEW ZEALAND

JOURNAL: TRANSFUND NEW ZEALAND RESEARCH REPORT Issue Number: 118 Pag:  
100P

PUBLICATION DATE: 19980000 PUBLICATION YEAR: 1998

LANGUAGE: ENGLISH SUBFILE: IRRD (I)

IRRD DOCUMENT NUMBER: 492141

ISSN: 1174-0574 ISBN: 0-478-11076-6

REFERENCES: Refs.

DATA SOURCE: Transport Research Laboratory (TRL)

ABSTRACT: This report describes the work undertaken between 1992 and 1995 under the first and second stages of a research project into road vehicle repair and maintenance costs in relation to road operating conditions. The report first describes the results of a literature review and contacts made with international researchers in 1992/93. A staged modelling approach was proposed **following this review**.

Potential **sources of vehicle repair and maintenance** data across six **vehicle** categories were investigated with respect to the likelihood of obtaining data appropriate to the proposed modelling approaches. Details of the proposed research plan are outlined, giving time scales for the phases of the work. The execution and preliminary analysis of a survey of vehicle fleet operators and a centralised fleet-asset management agency are reported. (a)

DESCRIPTORS: COST; VEHICLE; OPERATING COSTS; VEHICLE MAINTENANCE; REPAIR; PAVEMENT; DATA ACQUISITION; MATHEMATICAL MODEL; CLASSIFICATION

16/5/36 (Item 4 from file: 63)  
DIALOG(R) File 63:Transport Res(TRIS)  
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00732474 DA  
**TITLE: FEASIBILITY OF STANDARDIZED DIAGNOSTIC DEVICE FOR MAINTENANCE AND INSPECTION OF COMMERCIAL MOTOR VEHICLES**  
AUTHOR(S): Middleton, D; Rowe, J  
CORPORATE SOURCE: Transportation Research Board, 2101 Constitution Avenue, NW, Washington, DC, 20418,  
JOURNAL: Transportation Research Record Issue Number: 1560 Pag: pp 48-56  
SUPPLEMENTAL NOTES: This paper appears in Transportation Research Record No. 1560, Traffic and Highway Safety: Occupant Restraints, Safety Management, and Emergency and Commercial Vehicles.  
PUBLICATION DATE: 19960000 PUBLICATION YEAR: 1996  
LANGUAGE: English SUBFILE: HRIS (H)  
ISSN: 03611981 ISBN: 0309059542  
AVAILABILITY: Transportation Research Board Business Office; 2101 Constitution Avenue, NW ; Washington; DC ; 20418  
ORDER NUMBER: N/A  
FIGURES: 1 Fig. TABLES: 2 Tab.  
REFERENCES: 7 Ref.

ABSTRACT: The rapid growth in the number of trucks on the nation's highways combined with the fact that safety violation rates have not declined significantly have created an urgency to increase the efficiency of heavy-truck inspections. At the same time, the growing number of on-board electronic systems are delivering more information than ever before about key components of vehicle operation. The objective of this study is to determine whether it would be feasible to standardize electronic diagnostic interface systems and use them to help make roadside inspection faster, more accurate, and less constrained by shortages of qualified inspection personnel. The study found that electronics has made significant inroads into components of heavy-duty commercial vehicles. In addition to widely adopted systems, such as electronically controlled engines, transmissions, and antilock brakes, the technology exists for a number of new applications. The heavy-duty Class 8 truck of the year 2000 and beyond could be equipped with as many as 50 electronic systems but more likely with three to seven intelligent control devices for the engine, transmission, brakes, retarder, instrument cluster, trip recorder, and off-board communications. There is potential for using these electronics in roadside inspections as standardization efforts by the Society of Automotive Engineers and The Maintenance Council successfully continue if the proper on-board parameters are made available to inspectors.

DESCRIPTORS: TRUCKS; COMMERCIAL VEHICLES ; VEHICLE INSPECTION ; VEHICLE MAINTENANCE ; ELECTRONIC DEVICES; DIAGNOSTIC EQUIPMENT; STANDARDIZATION; FEASIBILITY STUDIES ; TIME SAVING METHODS; ACCURACY ; INTELLIGENT TRANSPORTATION SYSTEMS; INSPECTION STATIONS

SUBJECT HEADING: H51 SAFETY; H53 VEHICLE CHARACTERISTICS; I95 VEHICLE  
TESTING

16/5/44 (Item 12 from file: 63)

DIALOG(R)File 63:Transport Res(TRIS)

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00381616 DA

**TITLE: JOURNEY TO WORK**

**AUTHOR(S):** Hanappe, O; Pecqueur, P

**CORPORATE SOURCE:** PTRC Education and Research Services Limited, 110 Strand,  
London WC2, England

**JOURNAL:** Planning & Transport Res & Comp, Sum Ann Mtg, Proc Pag: pp  
131-142

**SUPPLEMENTAL NOTES:** This paper was presented during the proceedings of  
Seminar P held at the PTRC 10th Summer Annual Meeting, University of  
Warwick, England.

**PUBLICATION DATE:** 19820000 **PUBLICATION YEAR:** 1982

**LANGUAGE:** English **SUBFILE:** UMTSIS; HRIS; IRRD (U 8401; H 8403; I)

**SOURCE ACCESSION NUMBER:** IRRD 272892

**IRRD DOCUMENT NUMBER:** IRRD 272892

**ISSN:** 02604418 **ISBN:** 0-86050-112-4

**AVAILABILITY:** Planning and Transport Res and Computation Co Ltd; 110 Strand  
; London WC2; England

**FIGURES:** 1 Fig. **TABLES:** 5 Tab.

**REFERENCES:** 13 Ref.

**DATA SOURCE:** Transport and Road Research Laboratory

**ABSTRACT:** Those last years, several studies were conducted on daily  
commuting to work. Two inquiries were made at national level (1974 and  
1978) and 5 analyses were applied to particular cities. A first  
conclusion is on the social differentiation in transportation  
behaviour. The average commuting time is longer for the higher income  
brackets among workers. The range variation appears to be quite large  
for blue collar workers. This can be related to the spatial texture of  
work locations and to economic and cultural differentiation. It can be  
also observed in use of different transports : public transport, cars,  
walking, bicycles. A second set of conclusions is about the complexity  
of the organisation of the commuting period. Journey to work is  
indirectly organised, specially for women and there is wasted time  
before the beginning of work. In large cities, family life is more  
split into individual activities in different parts of cities. (TRRL)

**DESCRIPTORS:** WORK TRIPS; COMMUTING; TRAVEL BEHAVIOR; TRAVEL TIME;  
SOCIOECONOMIC ASPECTS; PUBLIC TRANSIT; INCOME; DEMOGRAPHICS; CONFERENCE  
; FRANCE; JOURNEY TO WORK; TRAFFIC SURVEY ; URBAN AREA; SOCIOLOGY;  
JOURNEY TIME ; INCOME; LOCATION; PLACE OF WORK ; PUBLIC TRANSPORT;  
CAR ; WALKING; BICYCLE; MODAL SPLIT

**SUBJECT HEADING:** H12, PLANNING; 3T72, TRAFFIC AND TRANSPORT PLANNING; U41AHDO  
, SOCIOECONOMICS OF PASSENGER SERVICES

16/5/45 (Item 13 from file: 63)

DIALOG(R)File 63:Transport Res(TRIS)

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00376990 DA

**TITLE: MAINTENANCE, SCHEDULE RELIABILITY, AND TRANSIT SYSTEM PERFORMANCE**

**AUTHOR(S):** Guenther, RP; Sinha, KC

**CORPORATE SOURCE:** Purdue University, Department of Civil Engineering, West  
Lafayette, Indiana, 47907,

Pag: n.p.

SUPPLEMENTAL NOTES: Paper prepared for the 61st Annual Meeting of the Transportation Research Board, Washington, D.C., January 1982.  
PUBLICATION DATE: 19820100 PUBLICATION YEAR: 1982  
LANGUAGE: English SUBFILE: UMTRIS; HRIS; UMTRIS; HRIS (U 8502; H; U 176; H)  
AVAILABILITY: Transportation Research Board Business Office; 2101 Constitution Avenue, NW ; Washington; DC ; 20418  
ABSTRACT: This paper explored the relationship between bus maintenance policy, schedule reliability and system performance by linking three previously developed models into a single package. The maintenance model computes system dependability as a function of the number of mechanics and spare buses. From this, the reliability model computes the expected passenger waiting times. The waiting time is used to determine ridership and other operating characteristics for the evaluation of system costs and performance. This methodology can be used to evaluate the tradeoffs between vehicle acquisition and optimal maintenance staffing levels. The model was tested and evaluated using data from the Greater Lafayette Public Transportation Corporation (Indiana).  
DESCRIPTORS: LAFAYETTE, INDIANA; BUS TRANSPORTATION; BUS MAINTENANCE; PERFORMANCE EVALUATION; MAINTENANCE MANAGEMENT; MAINTENANCE PERSONNEL; COMPUTER SIMULATION MODELS; RELIABILITY; SCHEDULING; PUBLIC TRANSIT; AVAILABILITY  
SUBJECT HEADING: H12, PLANNING; U24AHDE, PRODUCTIVITY & EFFICIENCY

16/5/50 (Item 18 from file: 63)  
DIALOG(R) File 63:Transport Res(TRIS)  
(c) fmt only 2005 Dialog Corp. All rts. reserv.

00361551 DA  
TITLE: FACTS YOU SHOULD KNOW ABOUT AUTO SAFETY, FUEL ECONOMY AND AUTO REPAIR COSTS WHICH CAN SAVE LIVES, FUEL, AND MONEY  
CORPORATE SOURCE: National Highway Traffic Safety Administration, 400 7th Street, SW , Washington, DC, 20590,  
REPORT NUMBER: HS-805 311  
Pag: 14p  
PUBLICATION DATE: 19000000  
LANGUAGE: English SUBFILE: HSL (S 8203)  
AVAILABILITY: National Highway Traffic Safety Administration; 400 7th Street, SW ; Washington; DC ; 20590  
REFERENCES: Refs.  
DATA SOURCE: National Highway Traffic Safety Administration  
ABSTRACT: Information is presented to help consumers make informed choices when considering automobile safety, fuel economy, and automobile repair costs. The six most frequent consumer auto repairs involve tires and tubes, wheel balancing, engine tune-ups, engine hose replacement (heater or radiator), V-belt replacement for such equipment as fan belts and power accessories, and brake shoe installation. Consumers lose about 40 cents of each dollar spent on repair and maintenance due to unnecessary repairs caused by inadequate diagnosis, unneeded parts of package deals, faulty repairs for which owners do not get their money back, unneeded repairs sold with possible fraudulent intent, overfrequent preventive maintenance, and vehicle design requiring the use of overly modularized parts or highly nonstandard parts. Recommendations to minimize the consumer auto repair problem concern diagnostic vehicle inspection centers, public education, Federal motor vehicle standards, fair trade practices, complaint arbitration, and consumer cooperatives. Fuel economy standards have been set for passenger cars through model year 1985. Owners of 1985

cars can expect an increase in fuel economy from about 17 to 27.5 mpg and a net savings of about \$1540 in the cost of gasoline over a car's life (1979 dollars). Fuel economy standards have also been formulated for light trucks and vans through model year 1981. By 1985, passenger car and light truck fuel economy standards will result in an annual saving of more than 16 billion gallons of gasoline. Traffic accidents cause 139 traffic deaths per day. Although lap and shoulder belts can significantly reduce the chance of a fatality or serious injury in an accident, less than one out of nine Americans uses them while driving. More than half of all fatalities occur at night, and nearly 60% happen in rural accidents. Automatic crash protection in new cars and the Dept. of Transportation's research safety vehicle demonstration are considered as measures for reducing the traffic toll, as well as the effectiveness of the fifty-five mile per hour speed limit. Other highway safety programs are noted, such as alcohol countermeasures, police traffic services, emergency medical services, driver licensing, pedestrian safety, motorcycle safety, occupant protection, and motor vehicle inspection.

DESCRIPTORS: CONSUMERS; AUTOMOBILE; SAFETY; FUEL CONSUMPTION; REPAIR COSTS; ENERGY CONSERVATION

16/5/55 (Item 23 from file: 63)

DIALOG(R)File 63:Transport Res(TRIS)

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00152947

DA

TITLE: INSPECTION, DEFECT DETECTION, AND ACCIDENT CAUSATION IN COMMERCIAL VEHICLES

AUTHOR(S): McDole, TL

CORPORATE SOURCE: Society of Automotive Engineers, 400 Commonwealth Drive, Warrendale, PA, 15096,

REPORT NUMBER: SAE 770116

Pag: 10 pp

SUPPLEMENTAL NOTES: Proceedings of the International Automotive Engineering Congress and Exposition, 28 Feb-4 March 1977 Detroit, Michigan.

PUBLICATION DATE: 19770000 PUBLICATION YEAR: 1977

LANGUAGE: English SUBFILE: HRIS (H 7703)

SOURCE ACCESSION NUMBER: HSRI-36634 770286R SASI 77-875

AVAILABILITY: Society of Automotive Engineers, Incorporated; 400 Commonwealth Drive ; Warrendale; PA ; 15096

FIGURES: Figs.

REFERENCES: 6 Ref.

DATA SOURCE: Highway Safety Research Institute National Safety Council, Safety Research Info Serv

ABSTRACT: A recently completed HSRI study, "Effects of Commercial Vehicle Systematic Preventive Maintenance on Specific Causes of Accidents", concluded that an identifiable relationship exists between good commercial vehicle inspection and maintenance practices and a reduction in defect-related accidents. The better maintenance practices were usually associated with larger firms, and poorer maintenance practices more often were associated with smaller firms or individual owner operators. Also documented was the need for improved or modified inspection and maintenance requirements as stated in the Federal Motor Carrier Safety Regulations. /HSRI/

DESCRIPTORS: VEHICLE INSPECTION; COMMERCIAL VEHICLES; DEFECT; ACCIDENT CAUSES; VEHICLE MAINTENANCE; PREVENTION; IMPROVEMENT; REQUIREMENT; REGULATION; HIGHWAY SAFETY

SUBJECT HEADING: H51, SAFETY

16/5/60 (Item 28 from file: 63)  
DIALOG(R)File 63:Transport Res(TRIS)  
(c) fmt only 2005 Dialog Corp. All rts. reserv.

00050568 DA  
**TITLE: HOT-BOX ANALYSIS IMPROVES PERFORMANCE AT N&W**  
AUTHOR(S): Roberts, R  
CORPORATE SOURCE: Cahners Publishing Company, Incorporated, 5 South Wabash Avenue, Chicago, IL, 60603,  
JOURNAL: Modern Railroads Vol: 28 Issue Number: 3 Pag: pp 68-70  
PUBLICATION DATE: 19730300 PUBLICATION YEAR: 1973  
LANGUAGE: English SUBFILE: RRIS; RRIS (R 7401; R 76S1)  
AVAILABILITY: Cahners Publishing Company, Incorporated; 5 South Wabash Avenue ; Chicago; IL ; 60603  
ORDER NUMBER: DOTL JC  
TABLES: 1 Tab  
PHOTOS: 2 Phot  
ABSTRACT: Norfolk and Western Railway is attacking successfully the hot box problem. The key to that success is complete knowledge of all hotboxes, where and when they occur. This data is put into the Mechanical Department's own data processing equipment where it is assimilated for easy access and monitoring. Printouts give N&W periodic pictures of the problem and indicate where follow-up is necessary. N&W has two men traveling over the system to **spotcheck cars** for bearing **maintenance problems** and to teach proper **inspection** procedure. Evidence turned up by these sources provides the basis for training aids distributed to inspection and maintenance people throughout the system. Another source of information is N&W's Derailment Investigation Committee known as the "Go Team" that flies to major derailments.  
DESCRIPTORS: HOT BOX DETECTORS; HOT BOXES; NORFOLK AND WESTERN RAILWAY  
SUBJECT HEADING: R0601; R,C3

16/5/61 (Item 1 from file: 81)  
DIALOG(R)File 81:MIRA - Motor Industry Research  
(c) 2005 MIRA Ltd. All rts. reserv.

61639  
**Automobile Case Studies - The Identification of Service Failures through Testing, and Resolution by Design Analysis**  
ANNISTER B; BATTE JC  
IMechE. Reliability, Maintainability and Accessibility. The Frank Radcliffe Bequest Seminar, London, 9 Dec 88  
December 9, 1988  
Collation : (7 p)

Document Type: JOURNAL Language: ENGLISH  
Record Type: ABSTRACT  
Supplier Record Type: AA

Three case studies of service failures in various types of vehicle are presented, and the results are discussed.

The first concerns a two-part test programme on tanks made from stainless steel: the first part determines service-stress conditions in the region of cracks in the tank, and the second involves laboratory fatigue tests on full-size realistic specimens of the failure region. The tests are described, and from the results, modifications to the design of the tank are suggested.

The second case is a study of transmission failures in a type of invalid



car manufactured in the 1970s. These failures occur in the three toggles on which inertial forces act to modify the effective diameters of one of the pulleys in the constantly variable ratio type transmission. The stress and strain levels are recorded during proving ground trials, then the toggle failures are simulated in the laboratory and design modifications are similarly tested, and finally full field stress analysis and strain gauge measurement are carried out on a vehicle fitted with new toggles.

An accelerated durability programme on a prototype single-deck public **service vehicle** is the subject of the third **study**. A known service failure is reproduced, and its **cause identified** and rectified. (CEP)  
Section Name : Vehicles, Design and Performance  
Subject Heading: Durability, Fatigue and Reliability

16/5/62 (Item 2 from file: 81)

DIALOG(R)File 81:MIRA - Motor Industry Research  
(c) 2005 MIRA Ltd. All rts. reserv.

55746

**Legal System of Japan on Motor Vehicles Part 7: Motor Vehicle Maintenance System**

NAITO M; et al

Corporate Source: Japan Min Transp

Japan SAE Rev, Jul 83

July 1, 1983

Page : 110

Collation : (15 p, 14 fig)

Document Type: JOURNAL Language: ENGLISH

Record Type: ABSTRACT

Supplier Record Type: AA

Part 7 in this series sets out the requirements concerning daily inspection and periodical **maintenance** of **vehicles** (including some statistics on the effect of their implementation and tabulated maintenance schedules), the **codes** of practice to be **observed** by **vehicle maintenance** and **repair** businesses, and the **examination** requirements which maintenance and repair mechanics must fulfil. (JSR)

Section Name : Vehicles, Design and Performance

Subject Heading: MAINTENANCE - GENERAL

16/TI/1 (Item 1 from file: 6)  
DIALOG(R)File 6:(c) 2005 NTIS, Intl Cpyrght All Rights Res. All rts.  
reserv.

**Head-Up Displays for Automotive Applications**

16/TI/2 (Item 2 from file: 6)  
DIALOG(R)File 6:(c) 2005 NTIS, Intl Cpyrght All Rights Res. All rts.  
reserv.

**Evaluation of Immediate Actions Taken to Deal with Cracking Problems  
Observed in Wheels of Rail Commuter Cars**  
(Final rept. Aug 91-Nov 92)

16/TI/3 (Item 3 from file: 6)  
DIALOG(R)File 6:(c) 2005 NTIS, Intl Cpyrght All Rights Res. All rts.  
reserv.

**Analysis of Original Equipment and Aftermarket Manufacturer Oxygen Sensor  
Constructional, Functional, and Price Differences**

16/TI/4 (Item 4 from file: 6)  
DIALOG(R)File 6:(c) 2005 NTIS, Intl Cpyrght All Rights Res. All rts.  
reserv.

**Design and Implementation of a Collision Avoidance System for the NPS  
Autonomous Underwater Vehicle (AUV II) Utilizing Ultrasonic Sensors**  
(Master's thesis)

16/TI/5 (Item 5 from file: 6)  
DIALOG(R)File 6:(c) 2005 NTIS, Intl Cpyrght All Rights Res. All rts.  
reserv.

**Tank Car Accident Data Analysis**  
(Final rept. Jun 85-Sep 86)

16/TI/6 (Item 6 from file: 6)  
DIALOG(R)File 6:(c) 2005 NTIS, Intl Cpyrght All Rights Res. All rts.  
reserv.

**Health Hazard Evaluation Determination Report No. HHE-75-103-261, Roberts  
Diesel Service, Garden City, Georgia**

16/TI/7 (Item 7 from file: 6)  
DIALOG(R)File 6:(c) 2005 NTIS, Intl Cpyrght All Rights Res. All rts.  
reserv.

**National Air Audit System Guidance Manual for FY 1988 - FY 1989**

16/TI/8 (Item 8 from file: 6)  
DIALOG(R)File 6:(c) 2005 NTIS, Intl Cpyrght All Rights Res. All rts.  
reserv.

**National Air Audit System Guidance Manual for FY 1986 - FY 1987**

16/TI/9 (Item 9 from file: 6)  
DIALOG(R)File 6:(c) 2005 NTIS, Intl Cpyrght All Rights Res. All rts.  
reserv.

**Design of an Experiment to Examine Repair Process Errors of Military Vehicle Mechanics**  
(Master's thesis)

16/TI/10 (Item 10 from file: 6)  
DIALOG(R)File 6:(c) 2005 NTIS, Intl Cpyrght All Rights Res. All rts.  
reserv.

**Maintenance Performance System (Organizational). The Effect of Job Exposure on Maintenance Proficiency: Test Results for the Automotive Tank Mechanic (63N)**  
(Research note)

16/TI/11 (Item 11 from file: 6)  
DIALOG(R)File 6:(c) 2005 NTIS, Intl Cpyrght All Rights Res. All rts.  
reserv.

**Baseline Data. Volume 2. Relative Frequency of Types of Information-Seeking or Error Events Occurring under Each Type of Task Conditions**  
(Interim rept. Apr 78-Sep 80)

16/TI/12 (Item 12 from file: 6)  
DIALOG(R)File 6:(c) 2005 NTIS, Intl Cpyrght All Rights Res. All rts.  
reserv.

**Better Enforcement of Car Emission Standards--A Way to Improve Air Quality**

16/TI/13 (Item 13 from file: 6)  
DIALOG(R)File 6:(c) 2005 NTIS, Intl Cpyrght All Rights Res. All rts.  
reserv.

**A Method for Evaluating Diagnostic Aid Systems in Army Land Vehicle Maintenance**  
(Interim rept)

16/TI/14 (Item 14 from file: 6)  
DIALOG(R)File 6:(c) 2005 NTIS, Intl Cpyrght All Rights Res. All rts.  
reserv.

**Road Safety Pilot Study. (L'Etude Pilote sur la Securite Routiere)**

16/TI/15 (Item 15 from file: 6)  
DIALOG(R)File 6:(c) 2005 NTIS, Intl Cpyrght All Rights Res. All rts.  
reserv.

**Rehabilitation of Auto Accident Victims**  
(Research study)

16/TI/16 (Item 1 from file: 7)  
DIALOG(R)File 7:(c) 2005 Inst for Sci Info. All rts. reserv.

**Title: HEAD POSTURE MEASUREMENTS AMONG WORK VEHICLE DRIVERS AND  
IMPLICATIONS FOR WORK AND WORKPLACE DESIGN**

16/TI/17 (Item 1 from file: 8)  
DIALOG(R)File 8:(c) 2005 Elsevier Eng. Info. Inc. All rts. reserv.

**Title: Railway safety and the train driver information environment**

16/TI/18 (Item 2 from file: 8)  
DIALOG(R)File 8:(c) 2005 Elsevier Eng. Info. Inc. All rts. reserv.

**Title: Simulation-aided design of production and assembly cells in an  
automotive company**

16/TI/19 (Item 3 from file: 8)  
DIALOG(R)File 8:(c) 2005 Elsevier Eng. Info. Inc. All rts. reserv.

**Title: Wayside inspection station pinpoints geometric faults in bogies**

16/TI/20 (Item 4 from file: 8)  
DIALOG(R)File 8:(c) 2005 Elsevier Eng. Info. Inc. All rts. reserv.

**Title: Status quo and future outlook of high-tech track maintenance. The  
latest report from East Japan Railway Co.**

16/TI/21 (Item 5 from file: 8)  
DIALOG(R)File 8:(c) 2005 Elsevier Eng. Info. Inc. All rts. reserv.

**Title: MAINTENANCE REQUIREMENTS OF PEOPLE MOVER SYSTEMS.**

16/TI/22 (Item 6 from file: 8)  
DIALOG(R)File 8:(c) 2005 Elsevier Eng. Info. Inc. All rts. reserv.

**Title: USING FLEET REPORTED 3-M DATA IN SUPPORT OF NAVY EMERGENCY ESCAPE  
PARACHUTE ASSEMBLIES.**

16/TI/23 (Item 7 from file: 8)  
DIALOG(R)File 8:(c) 2005 Elsevier Eng. Info. Inc. All rts. reserv.

**Title: IDENTIFYING CAR-BODIES THROUGH BAR-CODING.**

16/TI/24 (Item 8 from file: 8)  
DIALOG(R)File 8:(c) 2005 Elsevier Eng. Info. Inc. All rts. reserv.

**Title: INSPECTION, DEFECT DETECTION, AND ACCIDENT CAUSATION IN COMMERCIAL**

## VEHICLES.

16/TI/25 (Item 9 from file: 8)

DIALOG(R)File 8:(c) 2005 Elsevier Eng. Info. Inc. All rts. reserv.

Title: NORTHERN OFF-ROAD TRANSPORTATION IN THE 70'S

16/TI/26 (Item 10 from file: 8)

DIALOG(R)File 8:(c) 2005 Elsevier Eng. Info. Inc. All rts. reserv.

Title: ELECTRIC MULTISTOP FLEET DELIVERY VEHICLE -- FACT OR FANTASY.

16/TI/27 (Item 11 from file: 8)

DIALOG(R)File 8:(c) 2005 Elsevier Eng. Info. Inc. All rts. reserv.

Title: FAULT-TREE APPLICATIONS TO THE AUTOMOBILE INDUSTRY.

16/TI/28 (Item 1 from file: 94)

DIALOG(R)File 94:(c)2005 Japan Science and Tech Corp(JST). All rts.  
reserv.

Fatigue Strength Evaluation System for Structural Members of Construction &  
Industrial Vehicles.

16/TI/29 (Item 2 from file: 94)

DIALOG(R)File 94:(c)2005 Japan Science and Tech Corp(JST). All rts.  
reserv.

Environment of Adachi.

16/TI/30 (Item 3 from file: 94)

DIALOG(R)File 94:(c)2005 Japan Science and Tech Corp(JST). All rts.  
reserv.

An investigation on fuel oil used by coastal service ships.( Sponsor :  
Maritime Credit Corp. )

16/TI/31 (Item 4 from file: 94)

DIALOG(R)File 94:(c)2005 Japan Science and Tech Corp(JST). All rts.  
reserv.

The direction of the maintenance of tomorrow. For the coming twenty-first  
century.

16/TI/32 (Item 5 from file: 94)

DIALOG(R)File 94:(c)2005 Japan Science and Tech Corp(JST). All rts.  
reserv.

Study on Improvement of Mobility for Ski-Ground Maintenance Vehicle.

16/TI/33 (Item 1 from file: 63)

DIALOG(R)File 63:(c) fmt only 2005 Dialog Corp. All rts. reserv.

TITLE: SIMULATION OF HIGH-LEVEL WAY TOLL SYSTEM UNDER THE CONDITION OF MIXED TRAFFIC FLOW

16/TI/34 (Item 2 from file: 63)

DIALOG(R)File 63:(c) fmt only 2005 Dialog Corp. All rts. reserv.

TITLE: VEHICLE REPAIR AND MAINTENANCE COSTS: LITERATURE REVIEW AND OPERATOR COST SURVEY

16/TI/35 (Item 3 from file: 63)

DIALOG(R)File 63:(c) fmt only 2005 Dialog Corp. All rts. reserv.

TITLE: AUTOMATIC VEHICLE LOCATION AND PARATRANSIT PRODUCTIVITY: MIAMI CASE STUDY

16/TI/36 (Item 4 from file: 63)

DIALOG(R)File 63:(c) fmt only 2005 Dialog Corp. All rts. reserv.

TITLE: FEASIBILITY OF STANDARDIZED DIAGNOSTIC DEVICE FOR MAINTENANCE AND INSPECTION OF COMMERCIAL MOTOR VEHICLES

16/TI/37 (Item 5 from file: 63)

DIALOG(R)File 63:(c) fmt only 2005 Dialog Corp. All rts. reserv.

TITLE: HEAD POSTURE MEASUREMENTS AMONG WORK VEHICLE DRIVERS AND IMPLICATIONS FOR WORK AND WORKPLACE DESIGN

16/TI/38 (Item 6 from file: 63)

DIALOG(R)File 63:(c) fmt only 2005 Dialog Corp. All rts. reserv.

TITLE: TANK CAR ACCIDENT DATA ANALYSIS. FINAL REPORT

16/TI/39 (Item 7 from file: 63)

DIALOG(R)File 63:(c) fmt only 2005 Dialog Corp. All rts. reserv.

TITLE: COMPARISON OF TRAVEL BEHAVIOR AND ATTITUDES OF RIDESHARERS, SOLO DRIVERS, AND THE GENERAL COMMUTER POPULATION

16/TI/40 (Item 8 from file: 63)

DIALOG(R)File 63:(c) fmt only 2005 Dialog Corp. All rts. reserv.

TITLE: EFFECTS OF AVL ACCURACY UPON PUBLIC SERVICE BUS SYSTEM PERFORMANCE

16/TI/41 (Item 9 from file: 63)

DIALOG(R)File 63:(c) fmt only 2005 Dialog Corp. All rts. reserv.

TITLE: DEMONSTRATION OF THE RAIL ENERGY COST ANALYSIS PACKAGE: THE ROUTE PERSPECTIVE (RECAP II)

16/TI/42 (Item 10 from file: 63)  
DIALOG(R)File 63:(c) fmt only 2005 Dialog Corp. All rts. reserv.

TITLE: NOISE AND SOCIETY

16/TI/43 (Item 11 from file: 63)  
DIALOG(R)File 63:(c) fmt only 2005 Dialog Corp. All rts. reserv.

TITLE: CASE STUDIES OF COST-EFFECTIVENESS OF TRANSPORTATION MEASURES TO  
IMPROVE AIR QUALITY

16/TI/44 (Item 12 from file: 63)  
DIALOG(R)File 63:(c) fmt only 2005 Dialog Corp. All rts. reserv.

TITLE: JOURNEY TO WORK

16/TI/45 (Item 13 from file: 63)  
DIALOG(R)File 63:(c) fmt only 2005 Dialog Corp. All rts. reserv.

TITLE: MAINTENANCE, SCHEDULE RELIABILITY, AND TRANSIT SYSTEM PERFORMANCE

16/TI/46 (Item 14 from file: 63)  
DIALOG(R)File 63:(c) fmt only 2005 Dialog Corp. All rts. reserv.

TITLE: YOUNG WORKERS' TRAVEL-TO-WORK: A SURVEY IN MANCHESTER

16/TI/47 (Item 15 from file: 63)  
DIALOG(R)File 63:(c) fmt only 2005 Dialog Corp. All rts. reserv.

TITLE: TEMPORAL AND SPATIAL DIMENSIONS OF RUNNING TIME IN TRANSIT SYSTEMS.  
(ABRIDGMENT)

16/TI/48 (Item 16 from file: 63)  
DIALOG(R)File 63:(c) fmt only 2005 Dialog Corp. All rts. reserv.

TITLE: ACCESS TO EMPLOYMENT OPPORTUNITIES BY CAR AND BY BUS IN INNER AND  
OUTER AREAS OF MANCHESTER

16/TI/49 (Item 17 from file: 63)  
DIALOG(R)File 63:(c) fmt only 2005 Dialog Corp. All rts. reserv.

TITLE: AN ACCESSIBILITY ANALYSIS OF THE IMPACT OF THE M25 MOTORWAY

16/TI/50 (Item 18 from file: 63)  
DIALOG(R)File 63:(c) fmt only 2005 Dialog Corp. All rts. reserv.

TITLE: FACTS YOU SHOULD KNOW ABOUT AUTO SAFETY, FUEL ECONOMY AND AUTO  
REPAIR COSTS WHICH CAN SAVE LIVES, FUEL, AND MONEY

16/TI/51 (Item 19 from file: 63)  
DIALOG(R)File 63:(c) fmt only 2005 Dialog Corp. All rts. reserv.

**TITLE: MODELLING CAR AVAILABILITY MODAL SPLIT AND TRIP DISTRIBUTION BY  
MONTE-CARLO SIMULATION: A SHORT WAY TO INTEGRATED MODELS**

16/TI/52 (Item 20 from file: 63)  
DIALOG(R)File 63:(c) fmt only 2005 Dialog Corp. All rts. reserv.

**TITLE: NEW DEVELOPMENTS IN OPTICAL INSTRUMENTATION A PROBLEM SOLVING TOOL  
IN HIGHWAY AND TRAFFIC ENGINEERING**

16/TI/53 (Item 21 from file: 63)  
DIALOG(R)File 63:(c) fmt only 2005 Dialog Corp. All rts. reserv.

**TITLE: BETTER ENFORCEMENT OF CAR EMISSION STANDARDS--A WAY TO IMPROVE AIR  
QUALITY**

16/TI/54 (Item 22 from file: 63)  
DIALOG(R)File 63:(c) fmt only 2005 Dialog Corp. All rts. reserv.

**TITLE: U.S.A.: EQUIPMENT DESIGN FOR ELDERLY AND HANDICAPPED TRANSPORTATION  
SERVICES**

16/TI/55 (Item 23 from file: 63)  
DIALOG(R)File 63:(c) fmt only 2005 Dialog Corp. All rts. reserv.

**TITLE: INSPECTION, DEFECT DETECTION, AND ACCIDENT CAUSATION IN COMMERCIAL  
VEHICLES**

16/TI/56 (Item 24 from file: 63)  
DIALOG(R)File 63:(c) fmt only 2005 Dialog Corp. All rts. reserv.

**TITLE: INTERNATIONAL TRUCK MOVEMENTS IN THE NIAGARA-LAKE ERIE AREA**

16/TI/57 (Item 25 from file: 63)  
DIALOG(R)File 63:(c) fmt only 2005 Dialog Corp. All rts. reserv.

**TITLE: FIELD PERFORMANCE OF EMISSIONS-CONTROLLED AUTOMOBILES**

16/TI/58 (Item 26 from file: 63)  
DIALOG(R)File 63:(c) fmt only 2005 Dialog Corp. All rts. reserv.

**TITLE: ROAD SAFETY PILOT STUDY ROUTIERE); L'ETUDE PILOTE SUR LA SECURITE  
ROUTIERE**

16/TI/59 (Item 27 from file: 63)  
DIALOG(R)File 63:(c) fmt only 2005 Dialog Corp. All rts. reserv.

**TITLE: RIDE QUALITY - AN INCREASINGLY IMPORTANT FACTOR IN TRANSPORTATION  
SYSTEMS**

16/TI/60 (Item 28 from file: 63)



ECI 3600

Dialog Search

DIALOG(R)File 63:(c) fmt only 2005 Dialog Corp. All rts. reserv.

**TITLE: HOT-BOX ANALYSIS IMPROVES PERFORMANCE AT N&W**

16/TI/61 (Item 1 from file: 81)

DIALOG(R)File 81: (c) 2005 MIRA Ltd. All rts. reserv.

**Automobile Case Studies - The Identification of Service Failures through Testing, and Resolution by Design Analysis**

16/TI/62 (Item 2 from file: 81)

DIALOG(R)File 81: (c) 2005 MIRA Ltd. All rts. reserv.

**Legal System of Japan on Motor Vehicles Part 7: Motor Vehicle Maintenance System**

16/TI/63 (Item 3 from file: 81)

DIALOG(R)File 81: (c) 2005 MIRA Ltd. All rts. reserv.

**Monitoring of Car Emissions through Inspection of Relevant Engine Components**

FILE 'CONFSCI' ENTERED AT 10:03:08 ON 01 MAR 2005

L1 31169 S AUTOMOBILE? OR AUTOMOTIVE OR AUTO? OR VEHICLE? OR CAR OR CARS  
L2 19169 S REPAIR? OR SERVIC? OR FIX OR FIXES OR WORK OR BODYWORK OR MAI  
L3 1 S L1(3N)S2  
L4 353 S L1 AND L2  
L5 69426 S DELAY? OR TIME OR WAIT OR CAUSE? OR REASON? OR SOURCE? OR ERR  
L6 10 S L4 AND L5  
L7 70975 S IDENTIF? OR DETECT? OR DETERMINE? OR FIND? OR DIAGNOS? OR REC  
L8 0 S L6 AND L7

=> D L6 TOT BIB KWIC

L6 ANSWER 1 OF 10 CONFSCI COPYRIGHT 2005 CSA on STN  
AN 2005:8328 CONFSCI  
DN 05-008328  
TI **Automated real-time** road weather system (ARROWS) for  
highway **maintenance** decision makers  
AU Boselly, E.  
CS Washington State Dep. Transportation, Olympia, WA, USA  
SO National Weather Association, 1697 Capri Way, Charlottesville, VA  
22911-3534, USA; URL: www.nwas.org.  
Meeting Info.: 000 7636: National Weather Association's 29th Annual  
Meeting (0007636). Portland, OR (USA). 16-21 Oct 2004. National Weather  
Association.

DT Conference

FS DCCP

LA English

TI **Automated real-time** road weather system (ARROWS) for  
highway **maintenance** decision makers

L6 ANSWER 2 OF 10 CONFSCI COPYRIGHT 2005 CSA on STN  
AN 95:42000 CONFSCI  
DN 95-042000  
TI **Automated real time** surgical patient tracking system  
for determining utilization in surgical **services**  
AU Strum, D.P.; Palmer, J.S.; Vargas, L.G.; May, J.H.; Gunnerson, H.B.;  
Watkins, W.D.  
CS Univ. Pittsburgh, Pittsburgh, PA, USA  
SO International Anesthesia Research Society, 2 Summit Park Drive, Suite 140,  
Cleveland, OH 44131-2553, Abstracts available. Price \$15. Poster Paper No.  
S-477.  
Meeting Info.: 951 0091: 69th Clinical and Scientific Congress of the  
International Anesthesia Research Society (9510091). Honolulu, HI. 10-14  
Mar 1995. International Anesthesia Research Society.

DT Conference

FS DCCP

LA English

TI **Automated real time** surgical patient tracking system  
for determining utilization in surgical **services**

L6 ANSWER 3 OF 10 CONFSCI COPYRIGHT 2005 CSA on STN  
AN 94:53338 CONFSCI  
DN 94-065308  
TI Interleukin-2 bolus infusion as **maintenance** therapy in 2nd  
remission of AML. Antileukemic effects may be **caused** by  
**autologous** cytotoxic cells of CD4, CD8 and gamma delta  
phenotype  
AU Bergmann, L.; Heil, G.; Kolbe, K.; Lengfelder, E.; Puzicha, E.; Bruecher,  
J.; Lohmeyer, J.; Mitrou, P.S.; Hoelzer, D.  
CS Med. Clinic III, J.W. Goethe Univ., Frankfurt, FRG

SO Journal Subscriptions Dept., Marston Book Services, PO box 87, Oxford, UK  
ph: 0865 791155 fax: 0865 721205, Abstracts available. Paper No. 8.  
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Association (9420164). Brussels, Belgium. 2-5 Jun 1994. European  
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DT Conference

FS DCCP

LA English

TI Interleukin-2 bolus infusion as **maintenance** therapy in 2nd  
remission of AML. Antileukemic effects may be **caused** by  
**autologous** cytotoxic cells of CD4, CD8 and gamma delta  
phenotype

L6 ANSWER 4 OF 10 CONFSCI COPYRIGHT 2005 CSA on STN

AN 94:16571 CONFSCI

DN 94028608

TI Constructed wetlands for nonpoint **source** control of wastewater  
from a **vehicle maintenance** yard

AU Wass, R.; Fox, P.

SO WEF601 Wythe St. Alexandria, VA 22314; ph: (703) 684-2400; fax: (703)  
684-2492, Proceedings & full papers Paper No. AC93-010-002.  
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DT Conference

FS DCCP

LA English

TI Constructed wetlands for nonpoint **source** control of wastewater  
from a **vehicle maintenance** yard

L6 ANSWER 5 OF 10 CONFSCI COPYRIGHT 2005 CSA on STN

AN 94:5530 CONFSCI

DN 94017567

TI Old age psychiatry and **autopsy services**: What are the  
**problems**?

AU Benbow, E.W.; Benbow, S.M.

CS Dep. Pathol. Sci., Univ. Manchester, Oxford Rd., Manchester, UK

SO John Wiley & Sons, Ltd., Synopses, Journal of Pathology, ISSN: 0022-3417,  
Volume 170 Supplement.

Meeting Info.: 933 5029: 167th Meeting of the Pathological Society of  
Great Britain and Ireland (9335029). Edinburgh (UK). 7-9 Jul 1993.

DT Conference

FS DCCP

LA English

TI Old age psychiatry and **autopsy services**: What are the  
**problems**?

L6 ANSWER 6 OF 10 CONFSCI COPYRIGHT 2005 CSA on STN

AN 92:20901 CONFSCI

DN 92058773

TI SMART, Support Management **Automated Reasoning**  
Technology for Compaq Customer **Service**

AU Acorn, T.L.; Walden, S.H.

CS Compaq Computer Corp.

SO AAAI-92/IAAI-92, 445 Burgess Drive, Menlo Park, CA 94025-3496, USA;  
Telephone: (415) 328-3123; Fax: (415) 321-4457; e-mail: ncaiaai.org,  
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Association of Artificial Intelligence.

DT Conference  
 FS DCCP  
 LA UNAVAILABLE  
 TI SMART, Support Management **Automated Reasoning**  
 Technology for Compaq Customer **Service**

L6 ANSWER 7 OF 10 CONFSCI COPYRIGHT 2005 CSA on STN  
 AN 92:4374 CONFSCI  
 DN 92042246  
 TI Predicting **vehicle delays** and queue lengths on  
 two-lane highways during **maintenance** activity  
 AU Cassidy, M.J.  
 CS Purdue Univ.  
 SO Transportation Research Board, National Research Council, 2101  
 Constitution Ave. NW, Washington, DC 20418, USA, Paper No. 920364.  
 Meeting Info.: 921 0127: 71st Annual Meeting of the Transportation  
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DT Conference  
 FS DCCP  
 LA UNAVAILABLE  
 TI Predicting **vehicle delays** and queue lengths on  
 two-lane highways during **maintenance** activity

L6 ANSWER 8 OF 10 CONFSCI COPYRIGHT 2005 CSA on STN  
 AN 85:81984 CONFSCI  
 DN 86016623  
 TI Ergonomics **problems** associated with **vehicle**  
**maintenance** in motor transport workshops  
 AU Ridd, J.E.; David, G.C.; Nicholson, A.S.; Baty, D.; Buckle, P.W.; Stubbs,  
 D.A.  
 SO Taylor and Francis, Rankine Road, Basingstoke, Hampshire, RE24 OPR (UK);  
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 Price: 65 pounds sterling.  
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 Ergonomics Association (IEA).

DT Conference  
 FS DCCP  
 LA UNAVAILABLE  
 TI Ergonomics **problems** associated with **vehicle**  
**maintenance** in motor transport workshops

L6 ANSWER 9 OF 10 CONFSCI COPYRIGHT 2005 CSA on STN  
 AN 80:72091 CONFSCI  
 DN 81006339  
 TI **Time-service** organisation for **automatic**  
 multichannel digital measuring stations  
 AU Nudelman, I. I.; Rozkov, M.  
 CS Inst. Of Physics Of The Earth, Acad. Of Science Of The USSR, B.  
 Grusinskaya, 10, 123242 Moscow, USSR  
 SO Abstracts (Eng) in 'EGS-ESC Budapest '80 Programme and Abstracts'', Sep  
 80: L. Rybach, Inst. fur Geophysik, ETH-Honggerberg, CH-8093 Zurich,  
 Switzerland..  
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DT Conference Article  
 FS DCCP

LA English  
TI **Time-service** organisation for **automatic**  
multichannel digital measuring stations

L6 ANSWER 10 OF 10 CONFSCI COPYRIGHT 2005 CSA on STN  
AN 78:41724 CONFSCI  
DN 78084404  
TI Effect of **time** & mileage utilizaton of freight **car**  
**maintenance** activity.

AU Dopfel, F.E.  
CS Peat, Marwick, Mitchell & Co, Wash, DC 20036.  
SO Abstracts (Eng) in "TIMS/ORSA Bulletin," Feb 78, \$5: P.A. Demetriou,  
Celanese Corp., 522 Fifth Ave., New York, NY 10022..  
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DT Conference Article  
FS DCCP  
LA UNAVAILABLE  
TI Effect of **time** & mileage utilizaton of freight **car**  
**maintenance** activity.

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